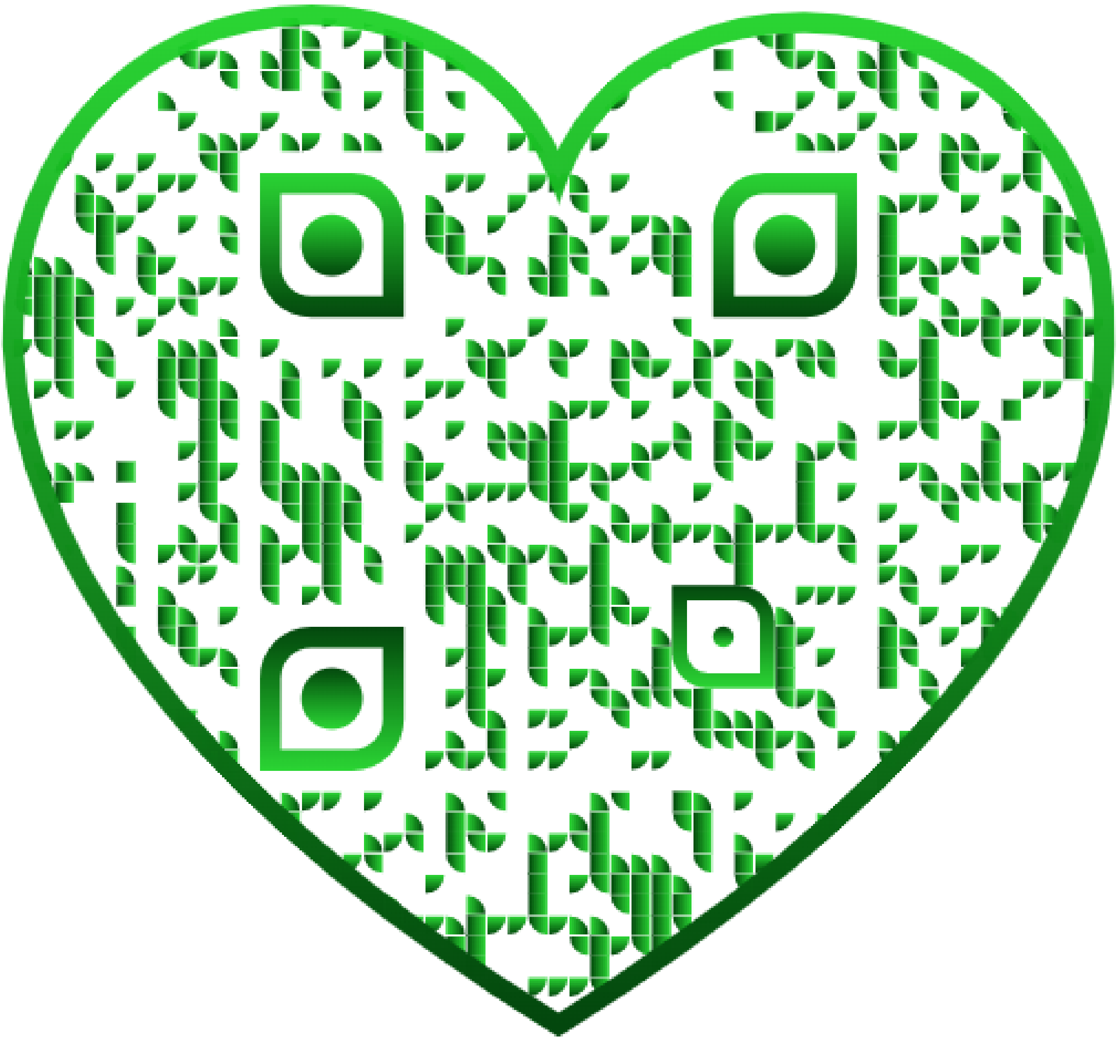
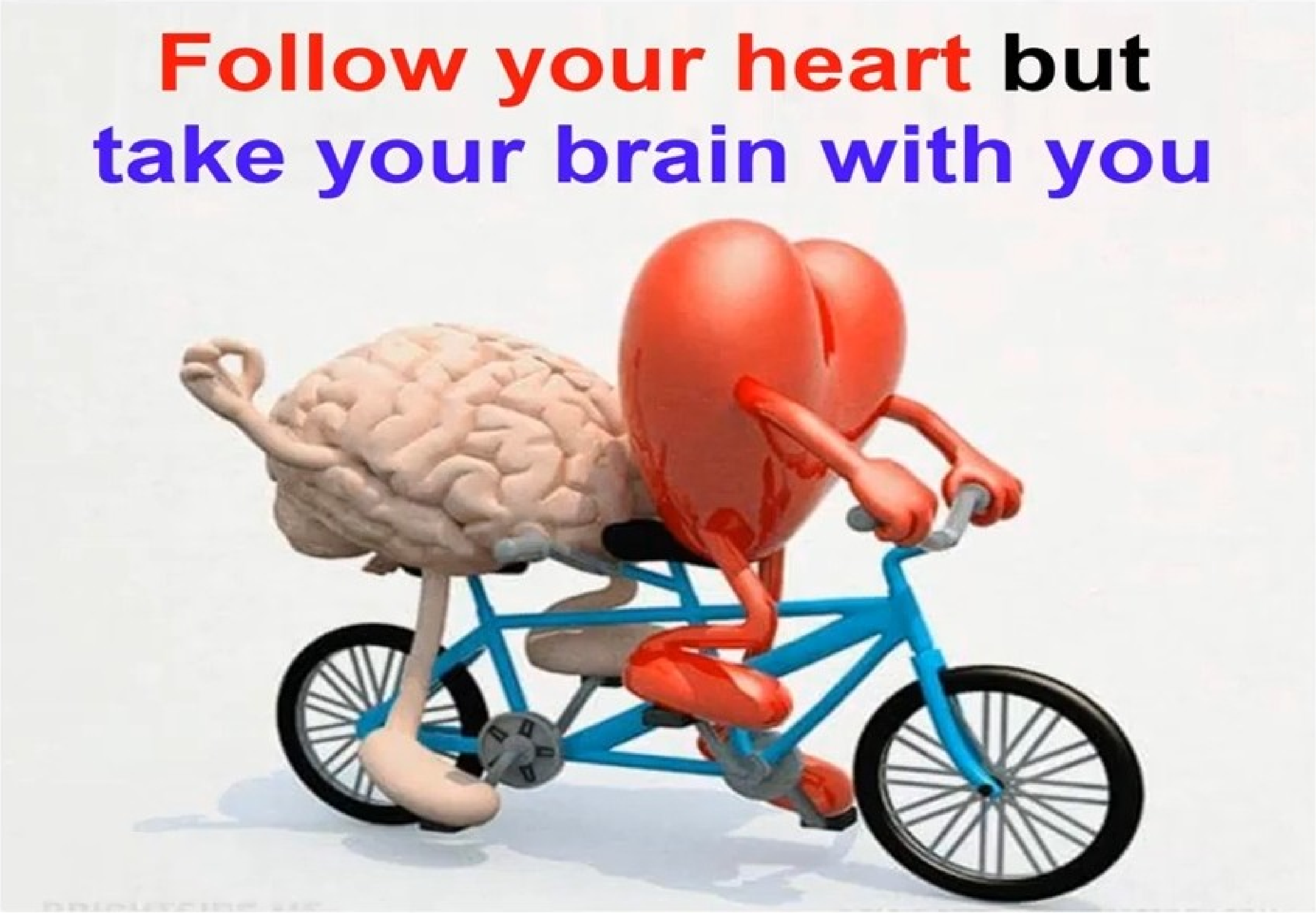
HEAD & NECK ANATOMY

Anatomy Lab



Done by
Group A9 / 37A Batch
Collected & Organized
by
Group A2 / 37A Batch



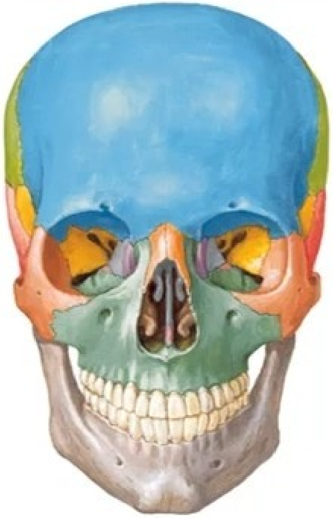
Follow your heart but
take your brain with you

Skull Bone

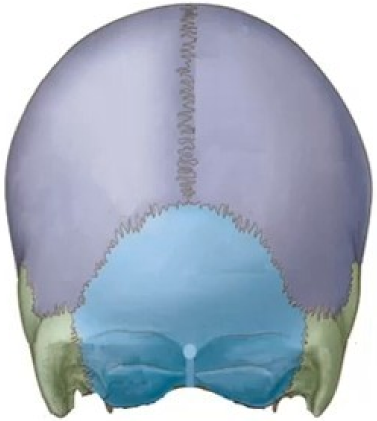
Anatomy Lab

Different Aspects of the Skull

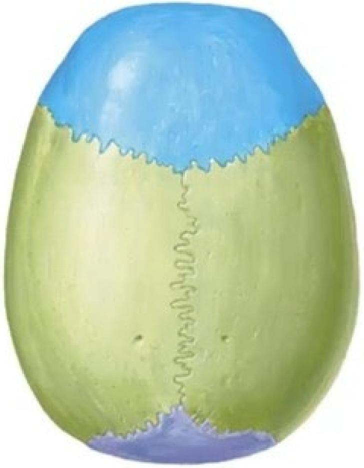
Norma
Frontalis
From the front



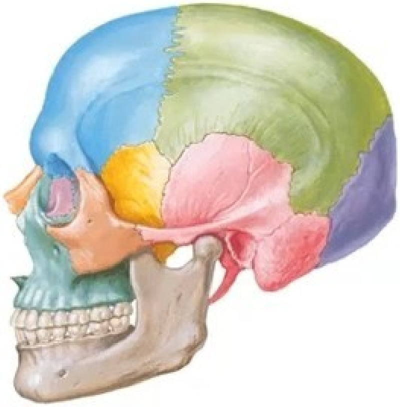
Norma
Occipitalis
From the back



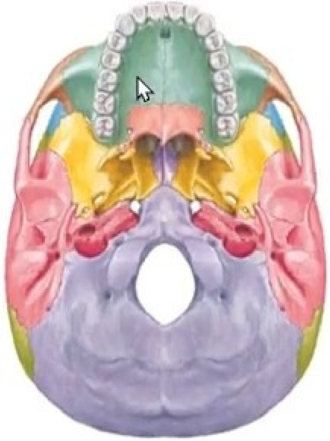
Norma
Verticalis
From above



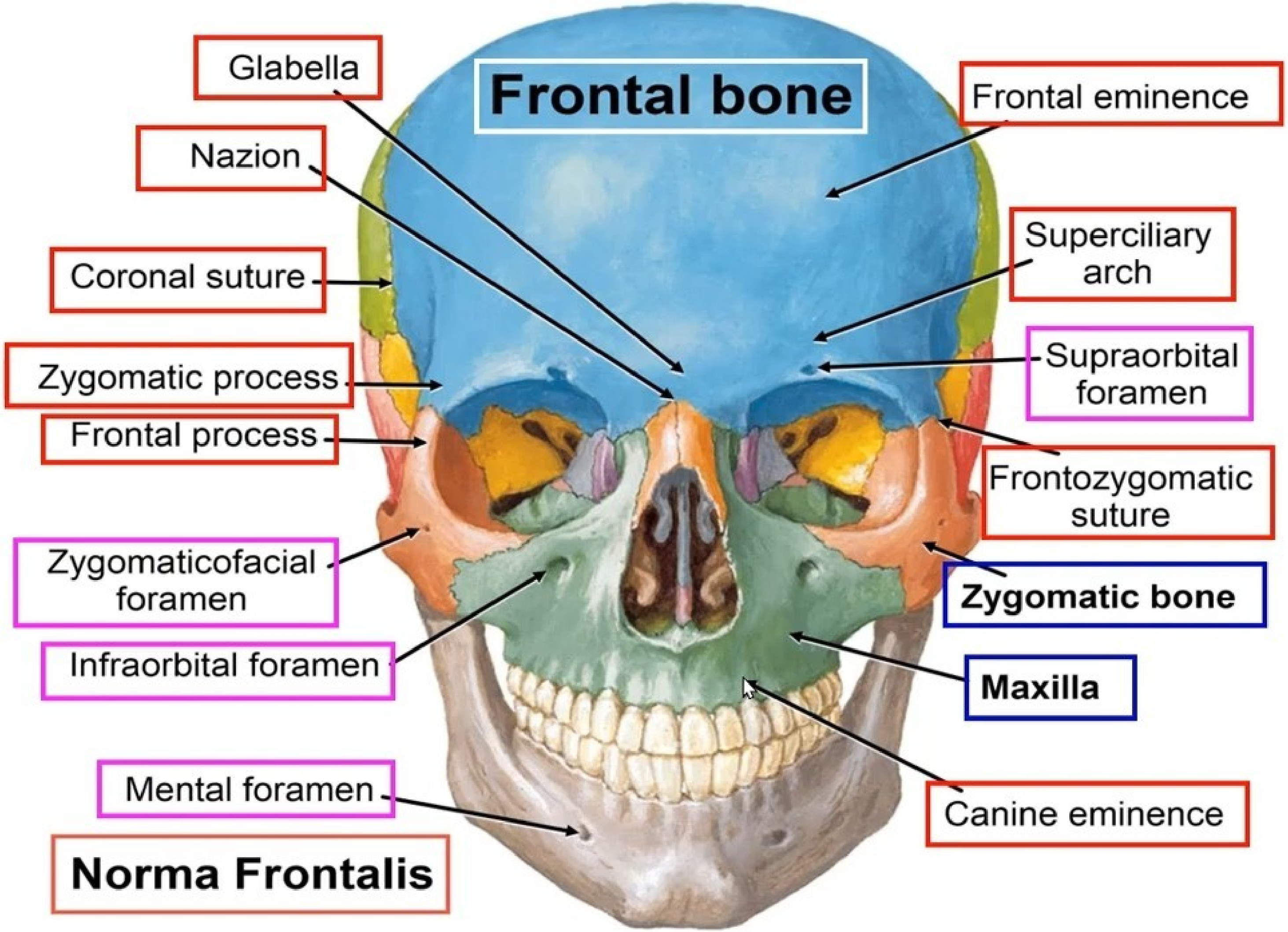
Norma
Lateralis
From the side



Norma
Basalis
From below

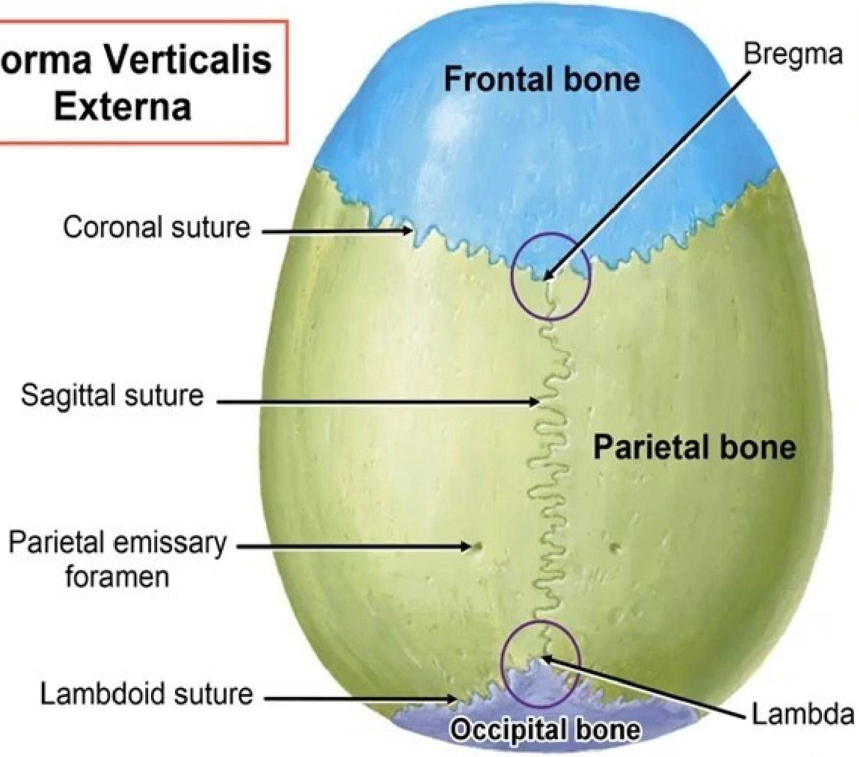


Norma Frontalis


Frontal bone
Glabella
Nazion
Coronal suture
Zygomatic process
Frontal process
Zygomaticofacial foramen
Infraorbital foramen
Mental foramen
Norma Frontalis
Frontal eminence
Superciliary arch
Supraorbital foramen
Frontozygomatic suture
Zygomatic bone
Maxilla
Canine eminence

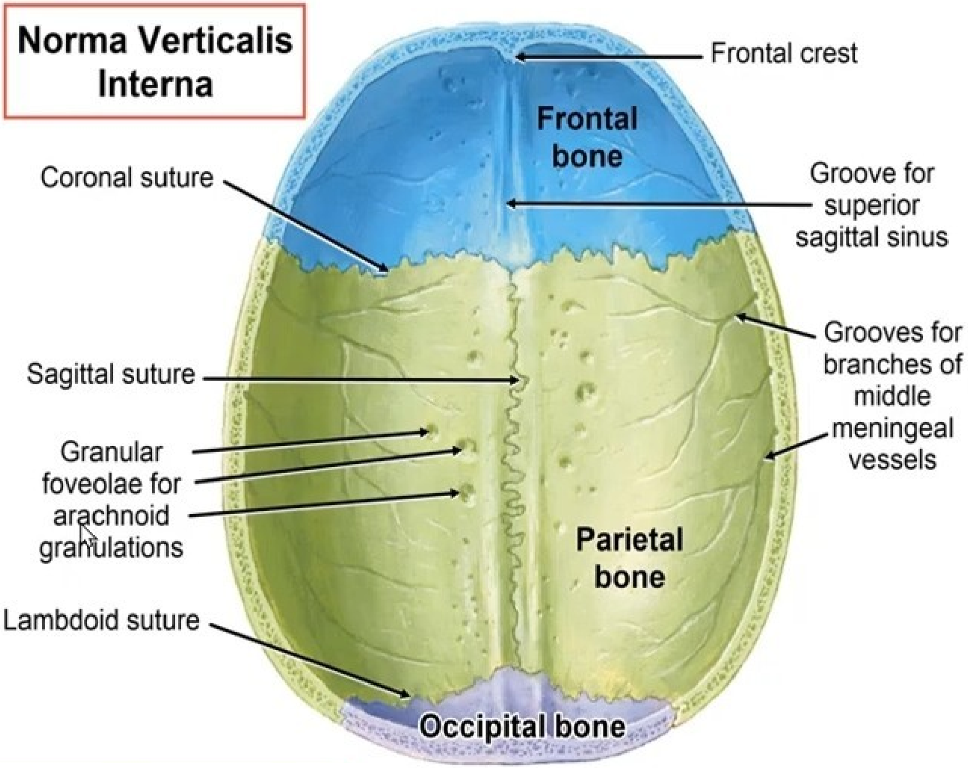
Norma Verticalis

Norma Verticalis Externa



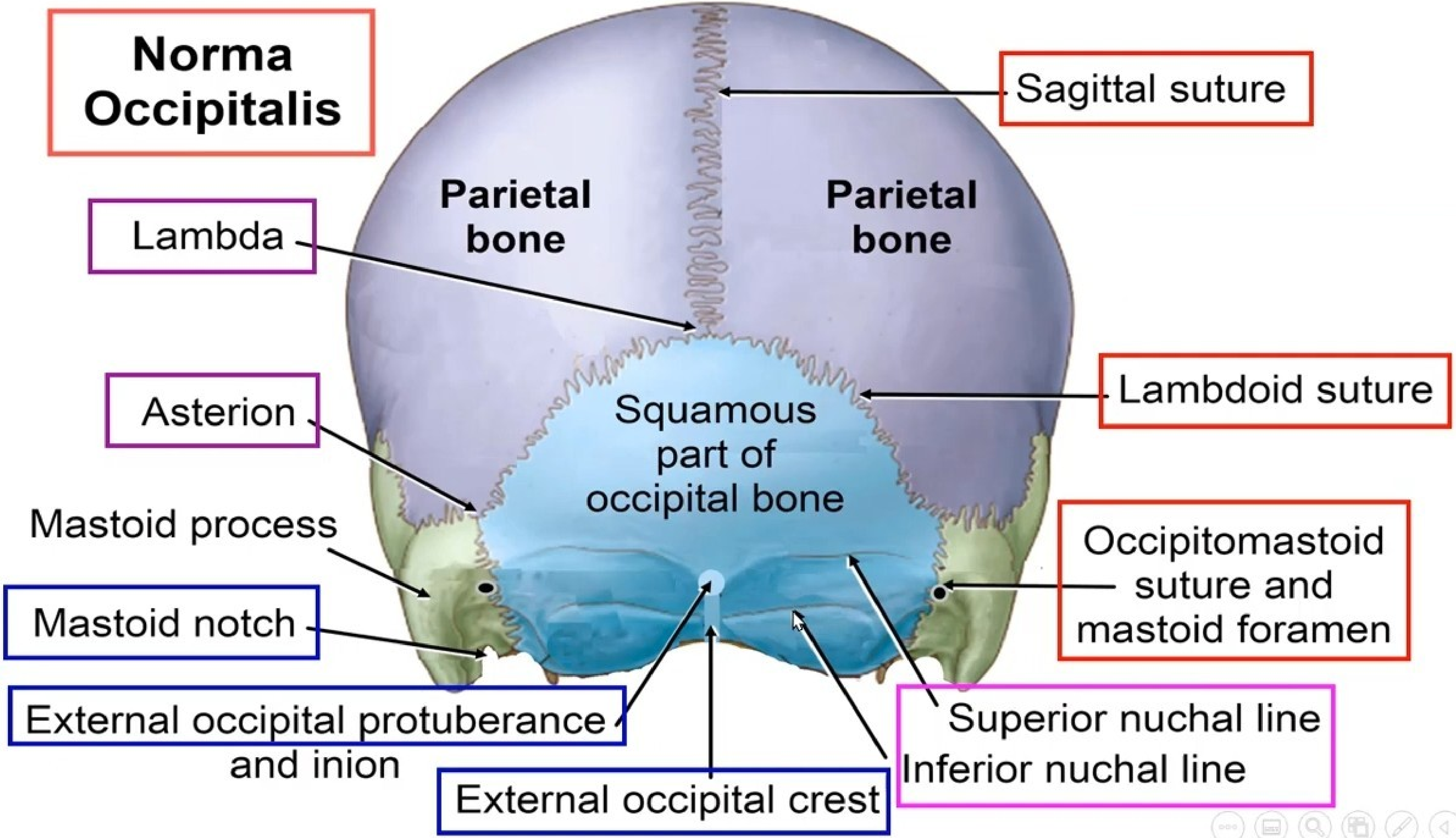
Frontal bone
Bregma
Coronal suture
Sagittal suture
Parietal bone
Parietal emissary foramen
Lambdoid suture
Lambda
Occipital bone

Norma Verticalis Interna



Frontal crest
Frontal bone
Coronal suture
Groove for superior sagittal sinus
Grooves for branches of middle meningeal vessels
Sagittal suture
Granular foveolae for arachnoid granulations
Parietal bone
Lambdoid suture
Occipital bone

Norma Occipitalis


Parietal bone
Parietal bone
Squamous part of occipital bone

Norma Occipitalis

Sagittal suture

Lambda

Lambdoid suture

Asterion

Mastoid process

Occipitomastoid suture and mastoid foramen

Mastoid notch

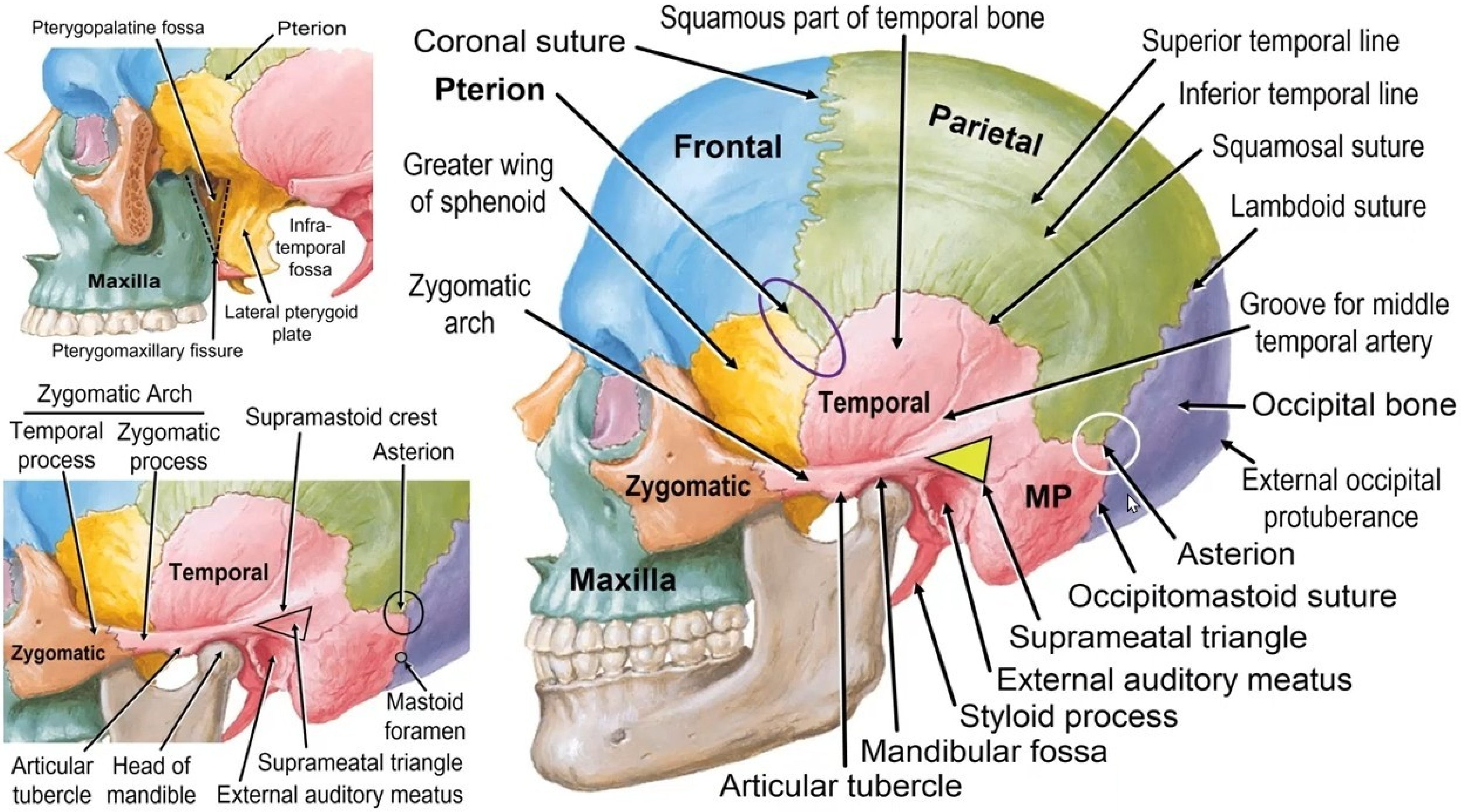
External occipital protuberance and inion

Superior nuchal line

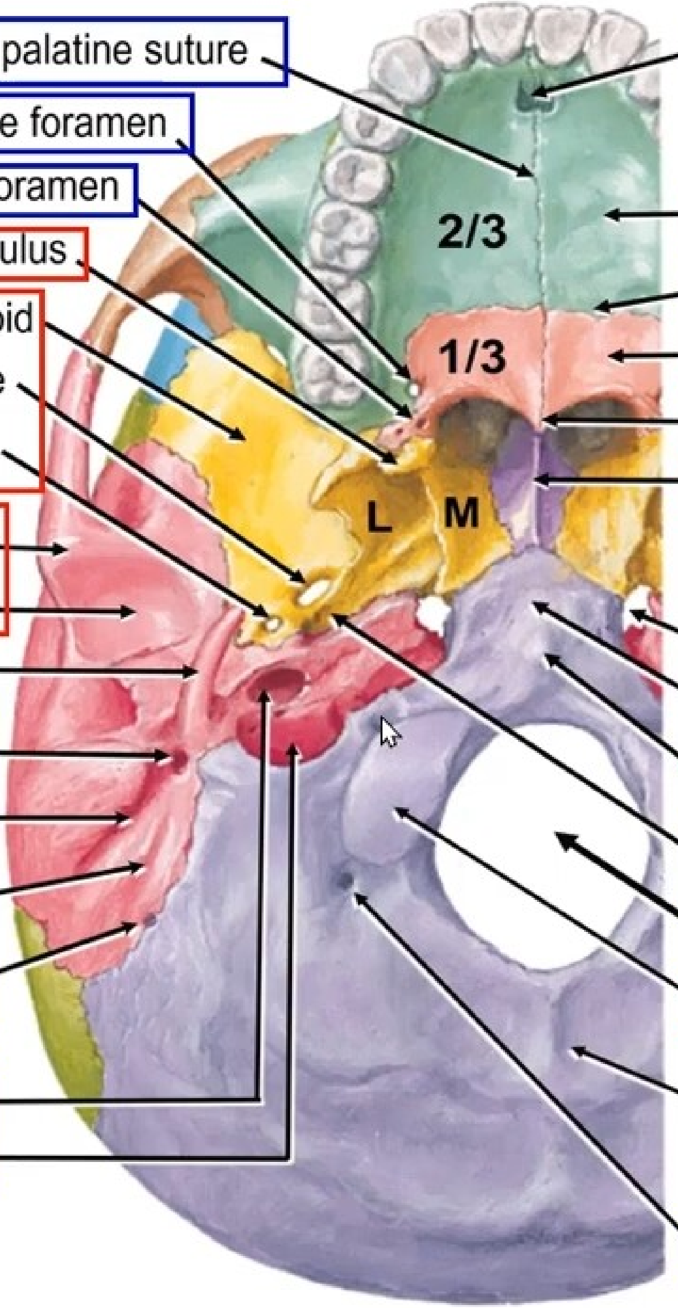
Inferior nuchal line

External occipital crest

Norma lateralis


Pterygopalatine fossa
Pterion
Infra-temporal fossa
Maxilla
Lateral pterygoid plate
Pterygomaxillary fissure
Zygomatic Arch
Temporal process
Zygomatic process
Supramastoid crest
Asterion
Temporal
Zygomatic
Mastoid foramen
Articular tubercle
Head of mandible
Suprameatal triangle
External auditory meatus
Squamous part of temporal bone
Coronal suture
Pterion
Greater wing of sphenoid
Zygomatic arch
Frontal
Parietal
Superior temporal line
Inferior temporal line
Squamosal suture
Lambdoid suture
Groove for middle temporal artery
Occipital bone
External occipital protuberance
Temporal
Zygomatic
MP
Maxilla
Asterion
Occipitomastoid suture
Suprameatal triangle
External auditory meatus
Styloid process
Mandibular fossa
Articular tubercle

Norma Basalis Externa



Median palatine suture

Greater palatine foramen

Lesser palatine foramen

Pterygoid hamulus

Greater wing of sphenoid

Foramen ovale

Foramen spinosum

Articular tubercle

Articular (mandibular) fossa

Styloid process

Stylomastoid foramen

Mastoid notch

Groove for occipital artery

Mastoid foramen

Carotid canal

Jugular foramen

Incisive fossa

Hard Palate:

Maxilla: palatine process

Palatomaxillary suture

Palatine bone: horizontal plate

Posterior nasal spine

Vomer

M: medial pterygoid plate
L: lateral pterygoid plate

Foramen lacerum

Basilar part of the occipital bone

Pharyngeal tubercle

Groove for auditory tube

Foramen magnum

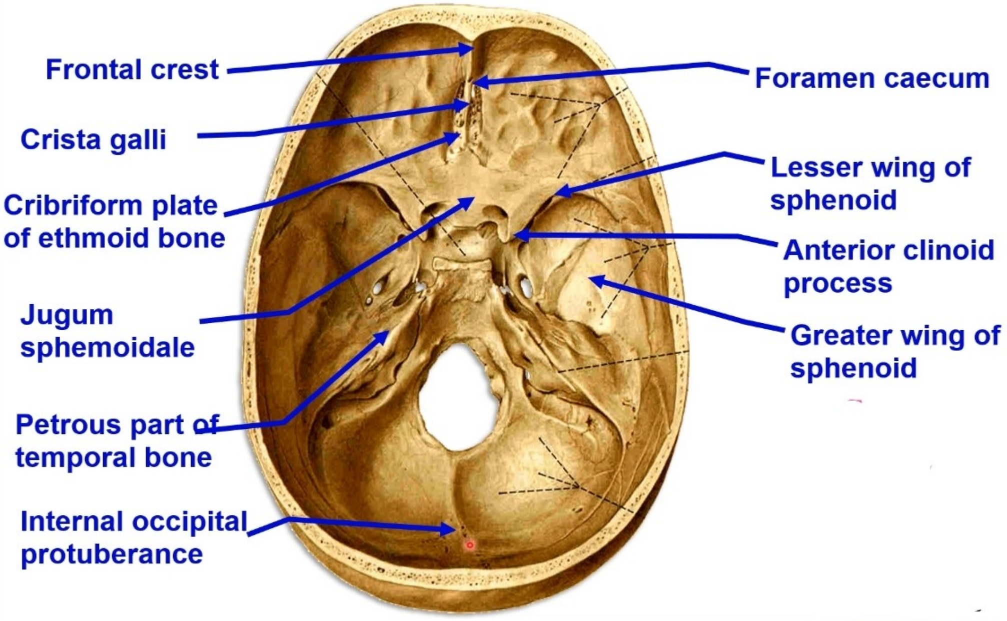
Occipital condyle

Squamous part of the occipital bone

Posterior condylar canal

dok ®

Norma Basalis Interna



Frontal crest

Crista galli

Cribriform plate of ethmoid bone

Jugum sphemoidale

Petrous part of temporal bone

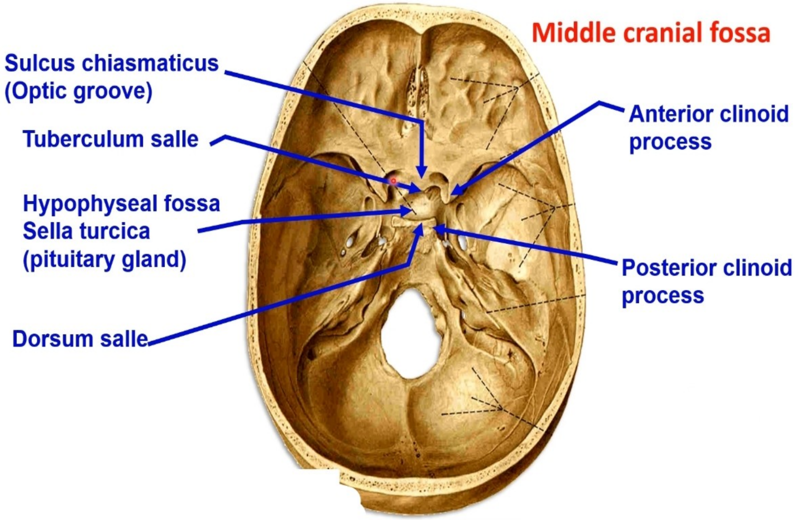
Internal occipital protuberance

Foramen caecum

Lesser wing of sphenoid

Anterior clinoid process

Greater wing of sphenoid



Middle cranial fossa

Sulcus chiasmaticus (Optic groove)

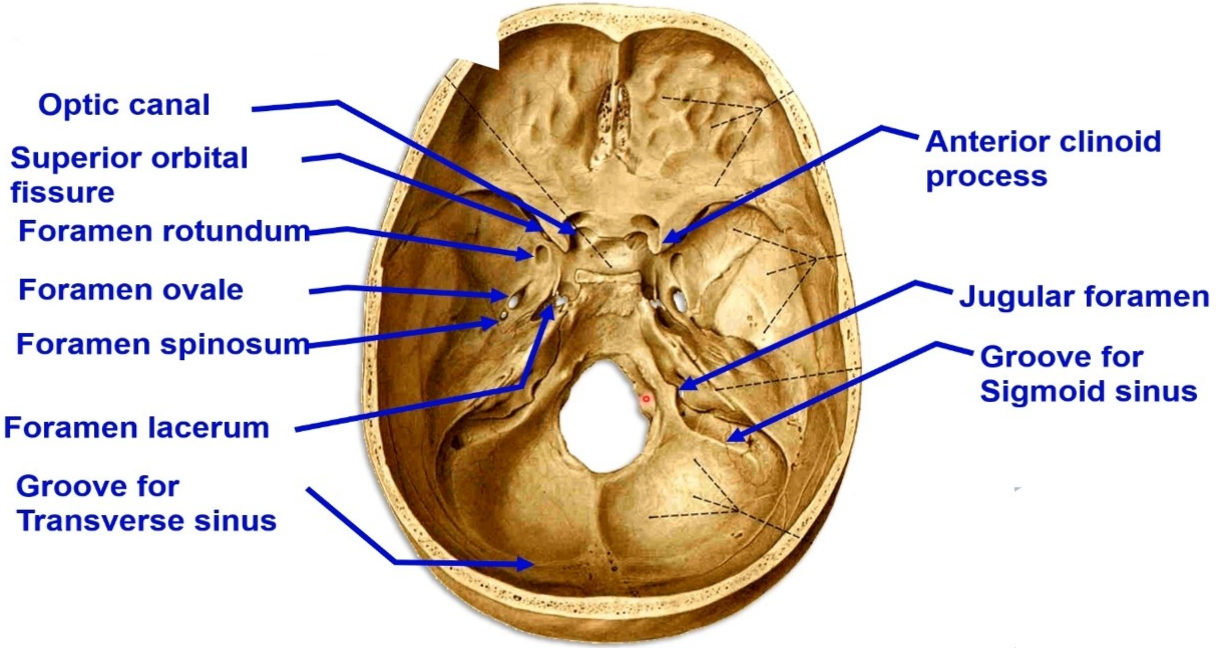
Tuberculum salle

Hypophyseal fossa Sella turcica (pituitary gland)

Dorsum salle

Anterior clinoid process

Posterior clinoid process



Optic canal

Superior orbital fissure

Foramen rotundum

Foramen ovale

Foramen spinosum

Foramen lacerum

Groove for Transverse sinus

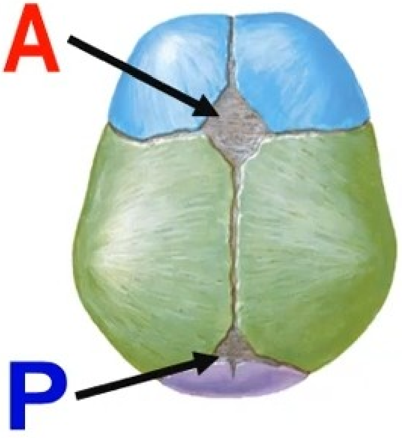
Anterior clinoid process

Jugular foramen

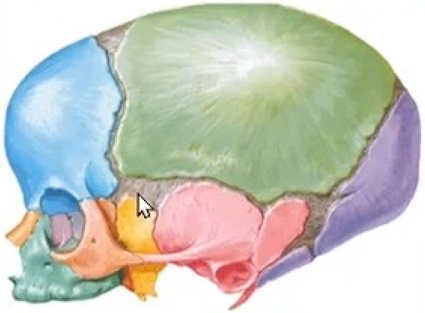
Groove for Sigmoid sinus

What are the Fontanelles of the Newborn Skull & Their Location in the Adult Skull?

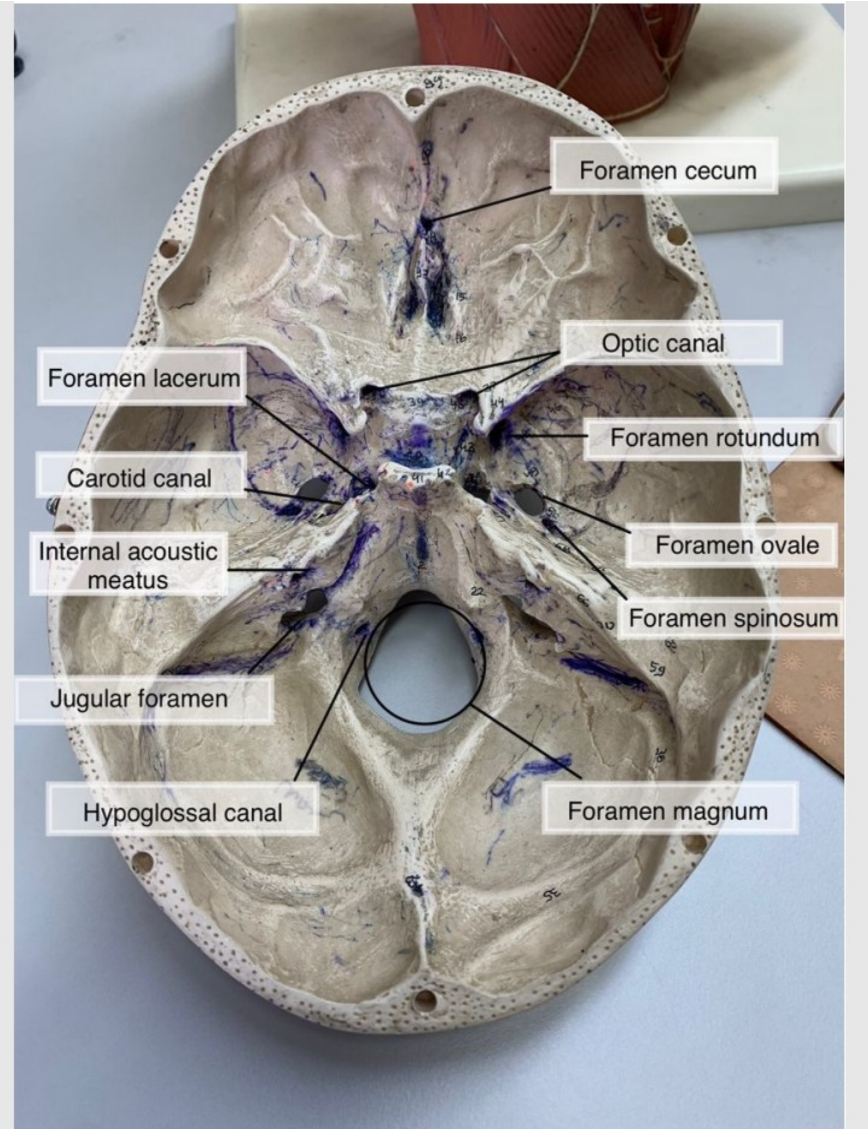
Fontanelle	Location	Adult Skull	Ossification
Anterior	Between frontal and parietal bones	Bregma	18 months
Posterior	Between parietal and occipital bones	Lambda	6 months
Anterolateral	Between frontal, parietal, GWS & temporal bones	Pterion	3 monthes
Posterolateral	Between parietal, temporal & occipital bones	Asterion	3 monthes

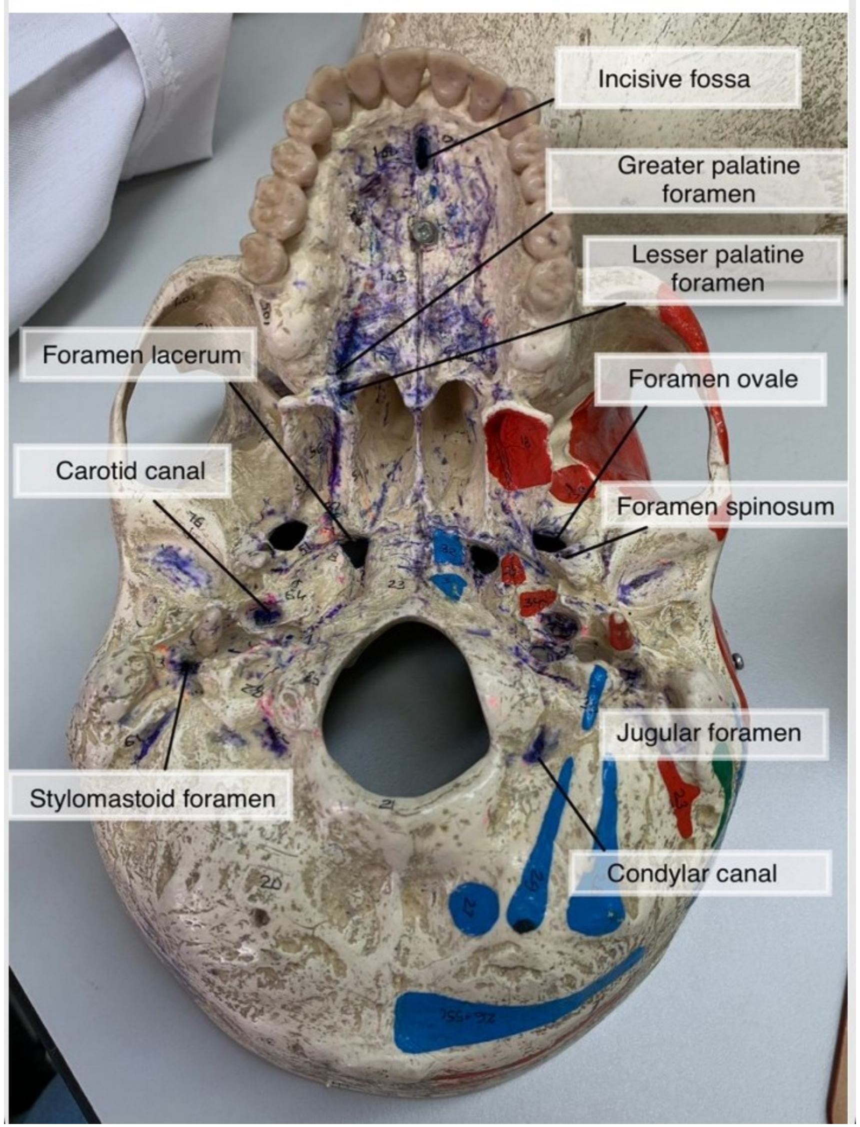


Dr Adel Bondok ®

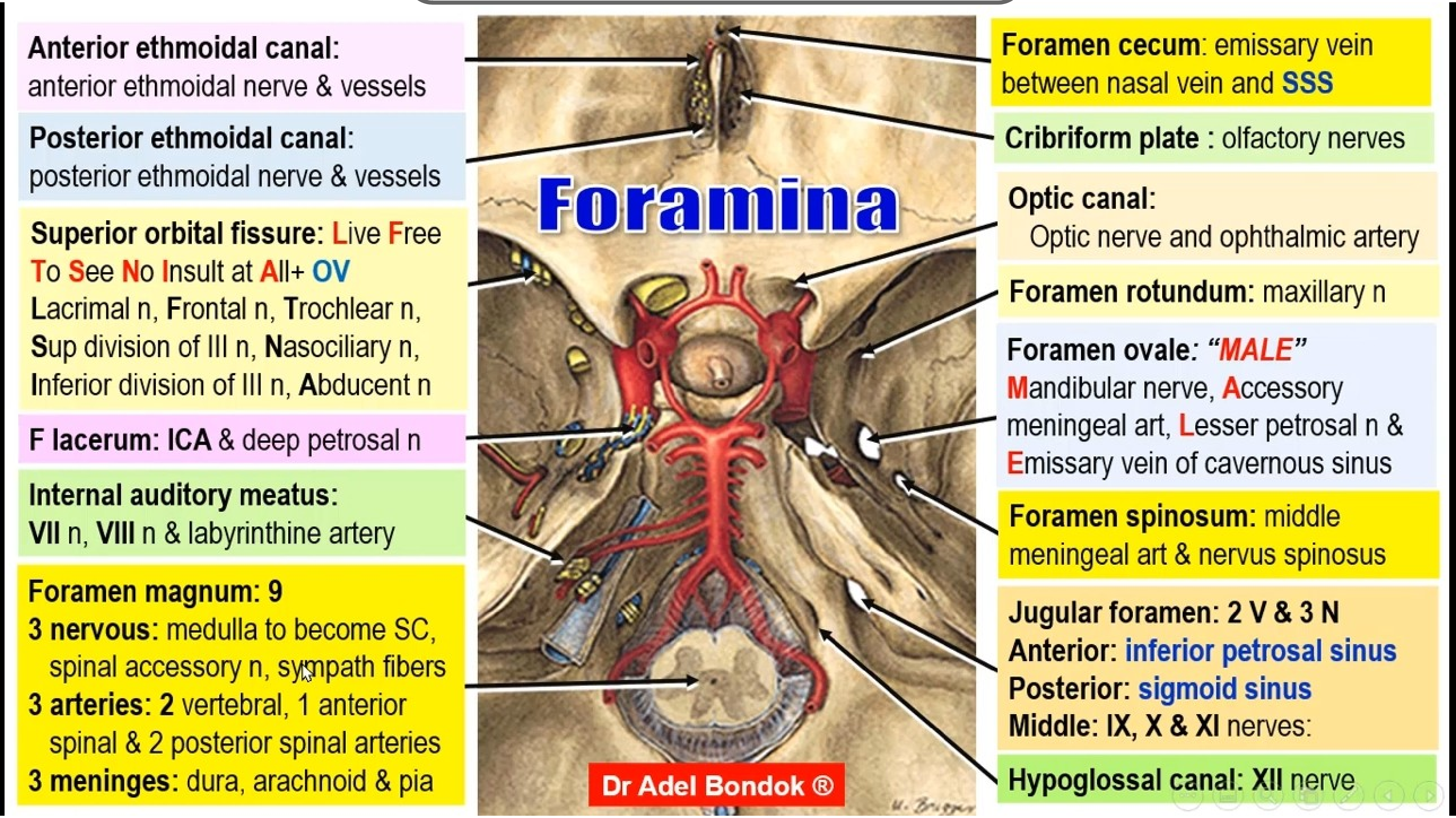


Foramina of The Skull


Foramen cecum
Optic canal
Foramen lacerum
Foramen rotundum
Carotid canal
Foramen ovale
Internal acoustic meatus
Foramen spinosum
Jugular foramen
Hypoglossal canal
Foramen magnum


Incisive fossa
Greater palatine foramen
Lesser palatine foramen
Foramen lacerum
Foramen ovale
Carotid canal
Foramen spinosum
Jugular foramen
Stylomastoid foramen
Condylar canal

Foramina & Structures Passing Through



Anterior ethmoidal canal:
anterior ethmoidal nerve & vessels

Posterior ethmoidal canal:
posterior ethmoidal nerve & vessels

Superior orbital fissure: Live Free To See No Insult at All+ OV
Lacrimal n, Frontal n, Trochlear n,
Sup division of III n, Nasociliary n,
Inferior division of III n, Abducent n

F lacerum: ICA & deep petrosal n

Internal auditory meatus:
VII n, **VIII** n & labyrinthine artery

Foramen magnum: 9
3 nervous: medulla to become SC, spinal accessory n, sympath fibers
3 arteries: 2 vertebral, 1 anterior spinal & 2 posterior spinal arteries
3 meninges: dura, arachnoid & pia

Foramen cecum: emissary vein between nasal vein and **SSS**

Cribriform plate : olfactory nerves

Optic canal:
Optic nerve and ophthalmic artery

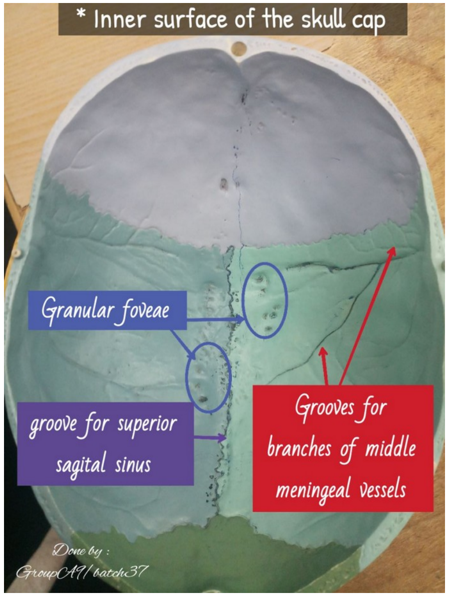
Foramen rotundum: maxillary n

Foramen ovale: "*MALE*"
Mandibular nerve, Accessory meningeal art, Lesser petrosal n & Emissary vein of cavernous sinus

Foramen spinosum: middle meningeal art & nervus spinosus

Jugular foramen: 2 V & 3 N
Anterior: inferior petrosal sinus
Posterior: sigmoid sinus
Middle: IX, X & XI nerves:

Hypoglossal canal: XII nerve


* Inner surface of the skull cap

Granular foveae
groove for superior sagital sinus
Grooves for branches of middle meningeal vessels

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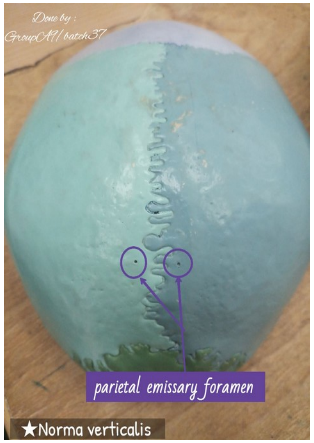
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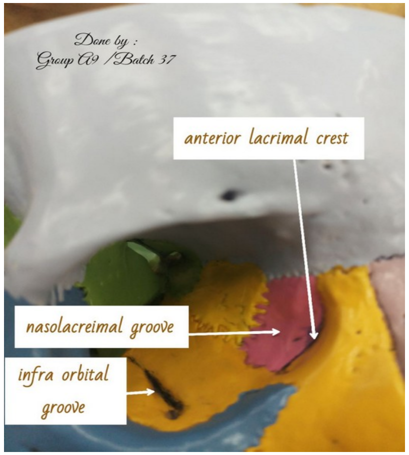
parietal emissary foramen

★Norma verticalis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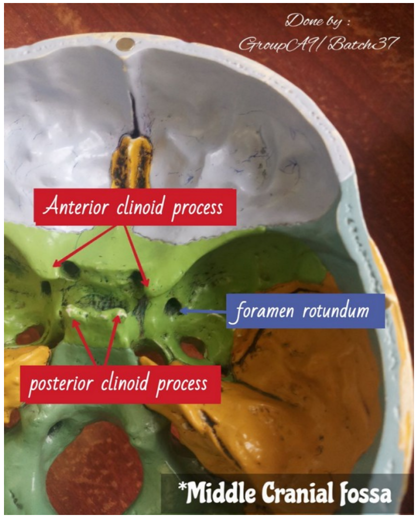
anterior lacrimal crest
nasolacreimal groove
infra orbital groove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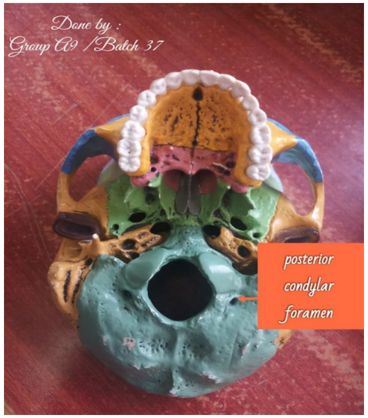
Anterior clinoid process
foramen rotundum
posterior clinoid process

*Middle Cranial fossa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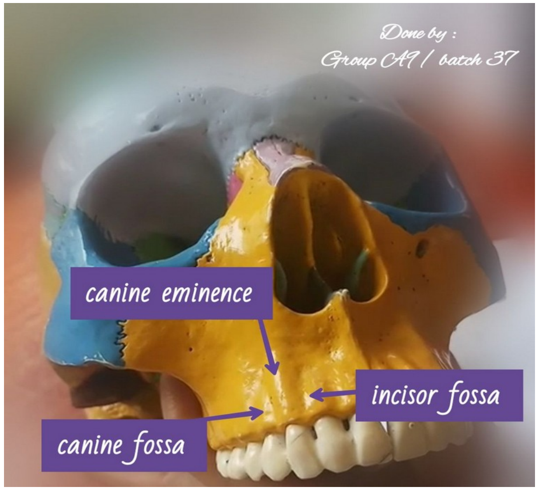
posterior condylar foramen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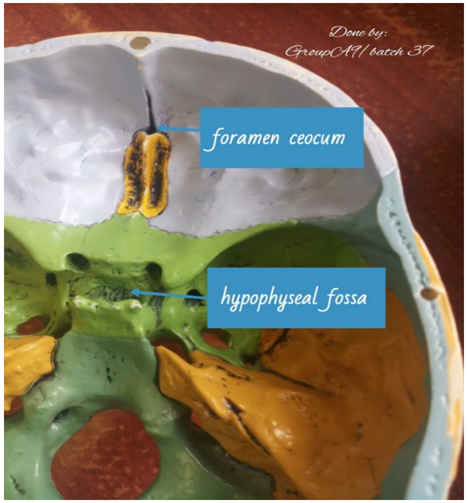
canine eminence
incisor fossa
canine fossa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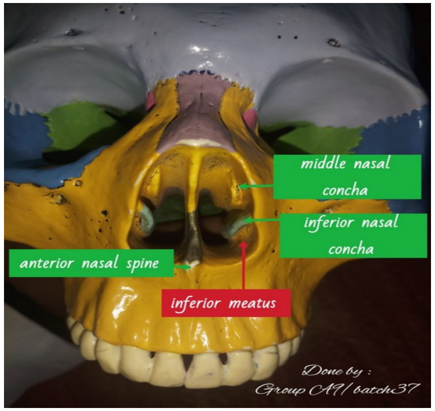
foramen ceocum
hypophyseal fossa


middle nasal concha
inferior nasal concha
anterior nasal spine
inferior meatus

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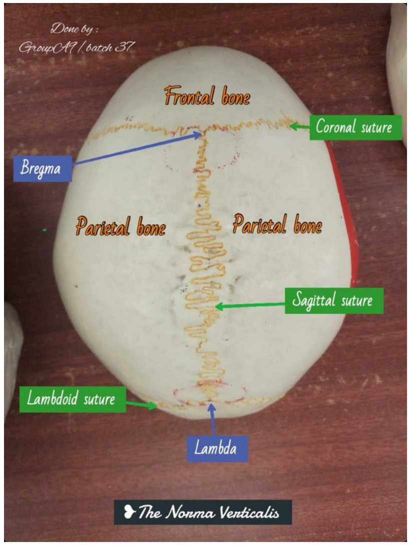
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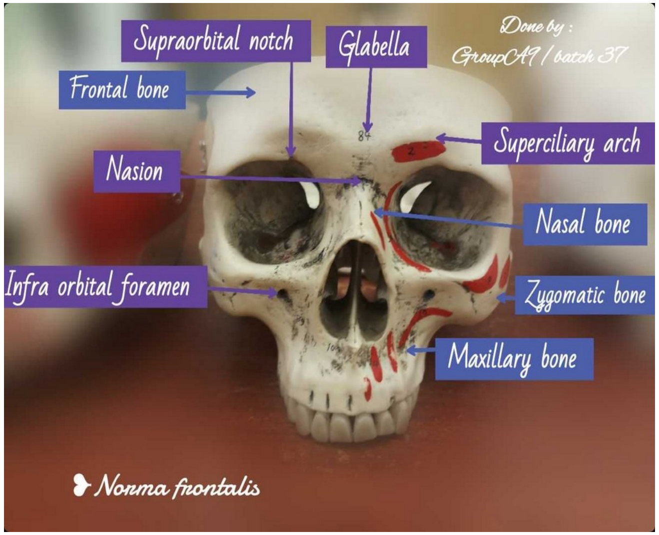
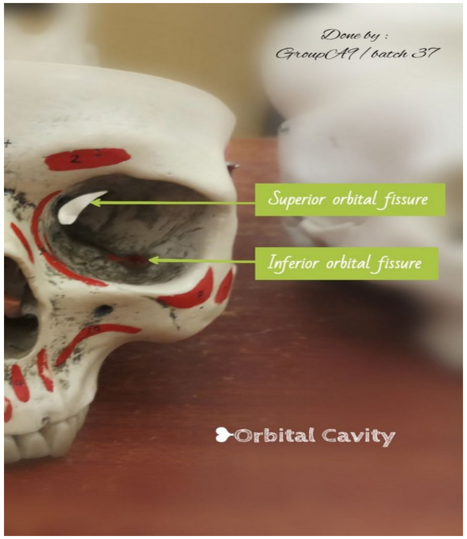
GroupA9 / batch 37
Frontal bone
Coronal suture
Bregma
Parietal bone
Parietal bone
Sagittal suture
Lambdoid suture
Lambda
The Norma Verticalis


Supraorbital notch
Glabella
Done by :
GroupA9 / batch 37
Frontal bone
Superciliary arch
Nasion
Nasal bone
Infra orbital foramen
Zygomatic bone
Maxillary bone
Norma frontalis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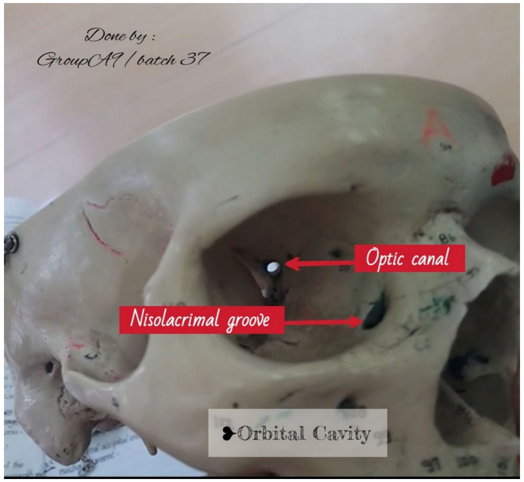
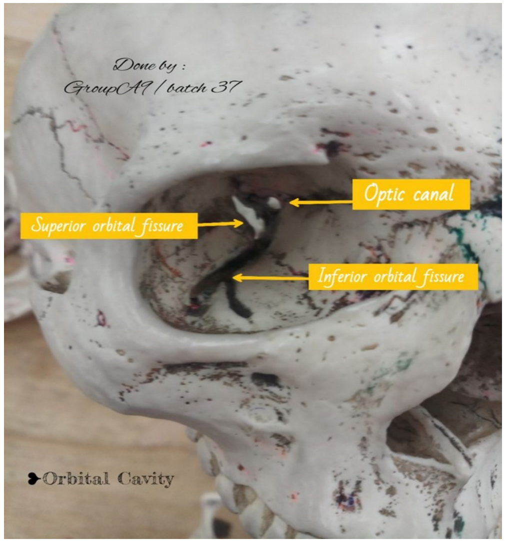
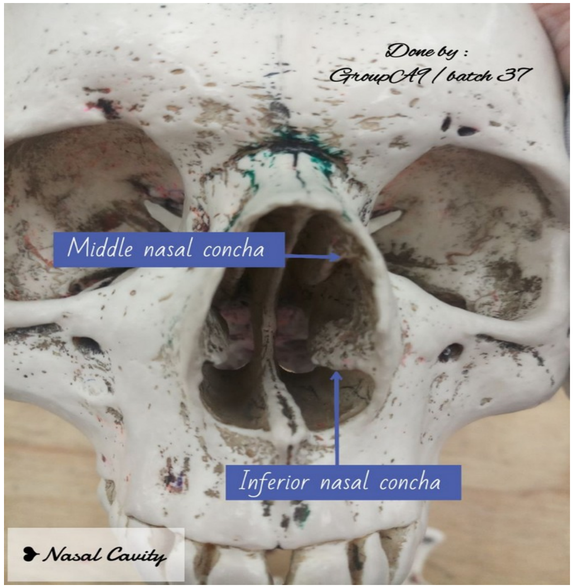
GroupA9 / batch 37
Superior orbital fissure
Inferior orbital fissure
Orbital Cavity


Done by :
GroupA9 / batch 37
Optic canal
Nisolacrimal groove
Orbital Cavity


Done by :
GroupA9 / batch 37
Optic canal
Superior orbital fissure
Inferior orbital fissure
Orbital Cavity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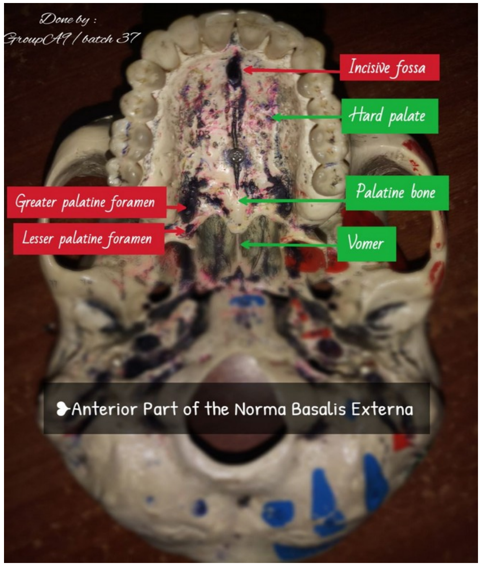
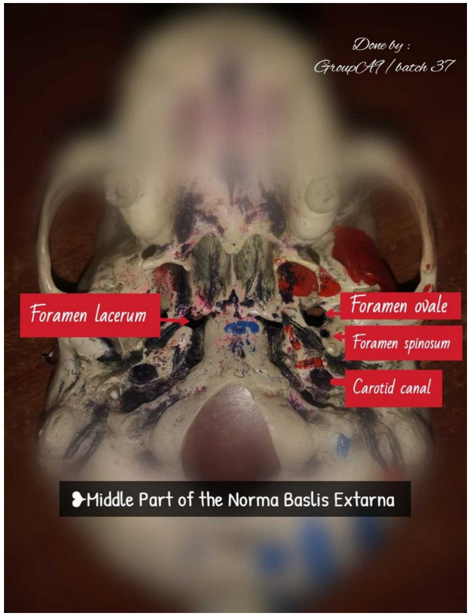
GroupA9 / batch 37
Middle nasal concha
Inferior nasal concha
Nasal Cavity


Incisive fossa
Hard palate
Palatine bone
Greater palatine foramen
Lesser palatine foramen
Vomer

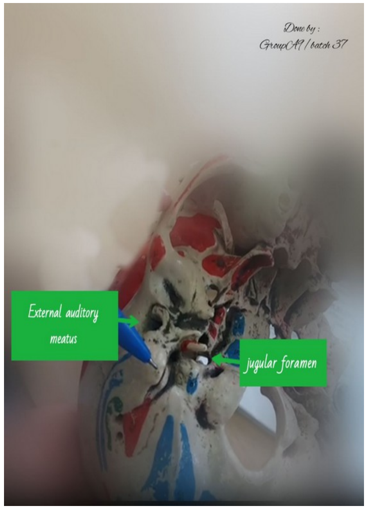
Done by :
GroupA9 / batch 37

➧Anterior Part of the Norma Basalis Externa

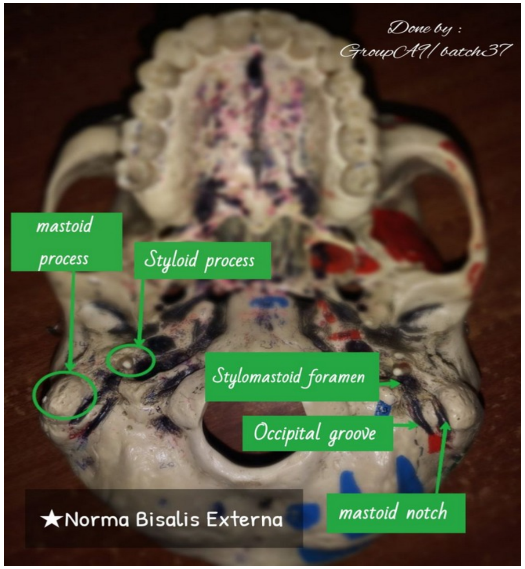

Foramen lacerum
Foramen ovale
Foramen spinosum
Carotid canal

Done by :
GroupA9 / batch 37

➧Middle Part of the Norma Baslis Extarna

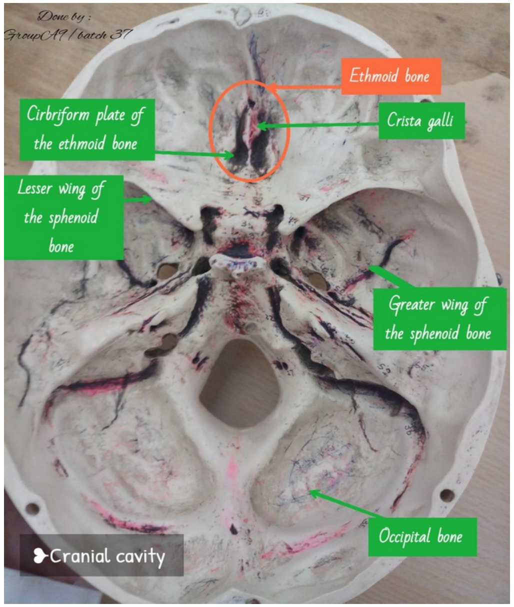

External auditory meatus
jugular foramen

Done by :
GroupA9 / batch 37


mastoid process
Styloid process
Stylomastoid foramen
Occipital groove
mastoid notch

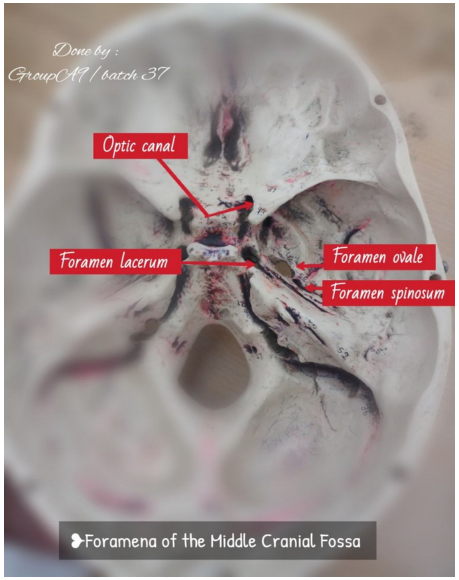
Done by :
GroupA9 / batch37

★Norma Bisalis Externa


Ethmoid bone
Cirbriform plate of the ethmoid bone
Crista galli
Lesser wing of the sphenoid bone
Greater wing of the sphenoid bone
Occipital bone

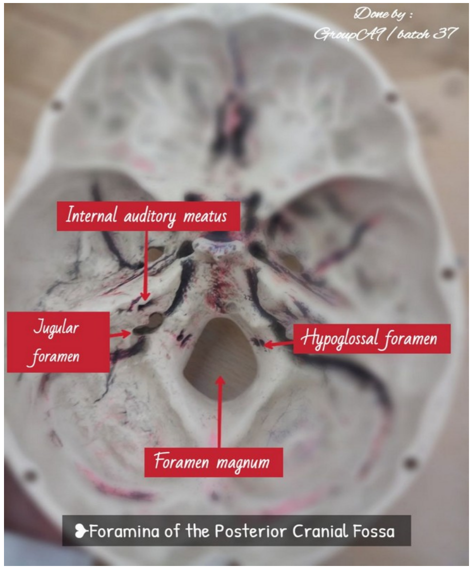
Done by :
GroupA9 / batch 37

➧Cranial cavity


Optic canal
Foramen lacerum
Foramen ovale
Foramen spinosum

Done by :
GroupA9 / batch 37

➧Foramena of the Middle Cranial Fossa


Internal auditory meatus
Jugular foramen
Hypoglossal foramen
Foramen magnum

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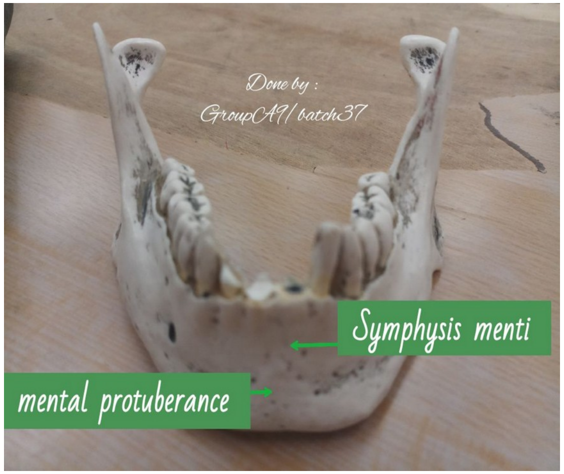
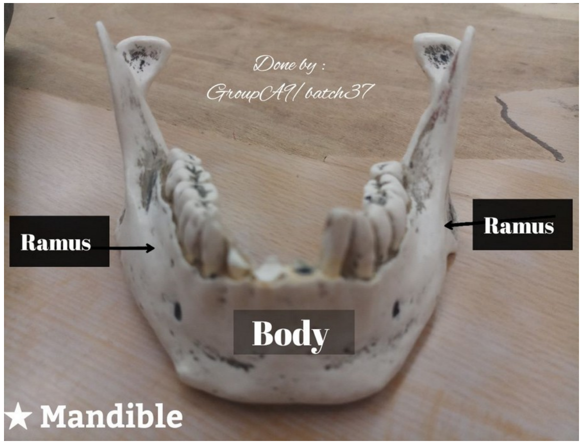
GroupA9 / batch 37

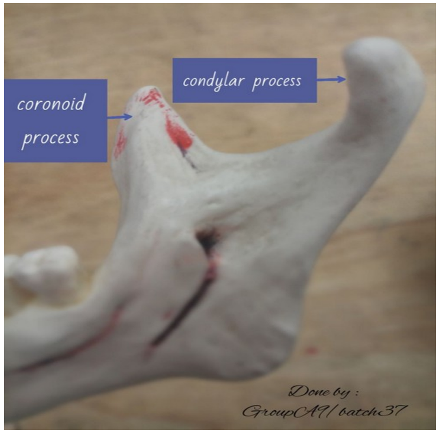
➧Foramina of the Posterior Cranial Fossa

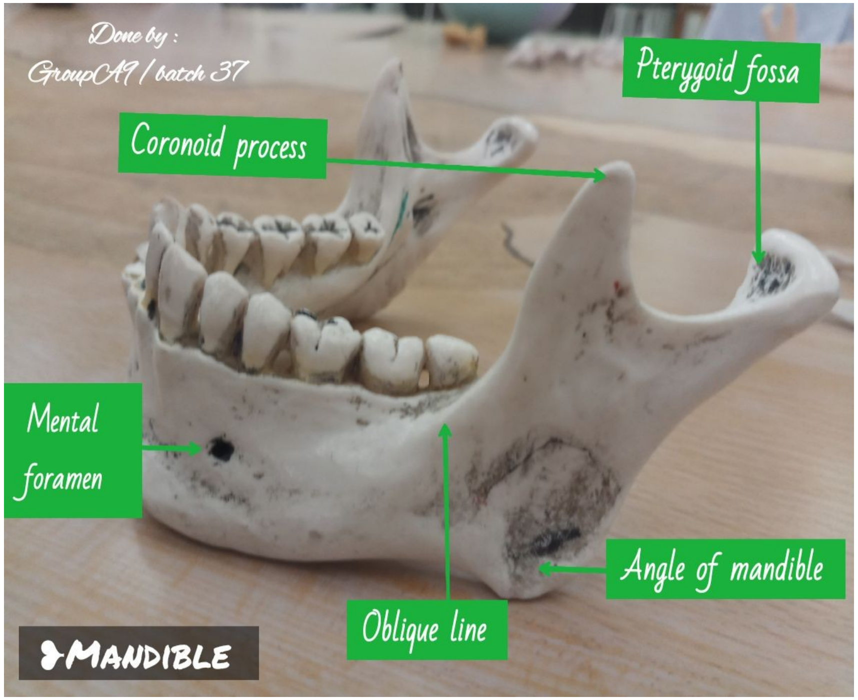
Mandible Bone

Anatomy lab


Done by :
GroupA9/ batch37
Symphysis menti
mental protuberance


Done by :
GroupA9/ batch37
Ramus
Ramus
Body
★ Mandible


condylar process
coronoid process
Done by :
GroupA9/ batch37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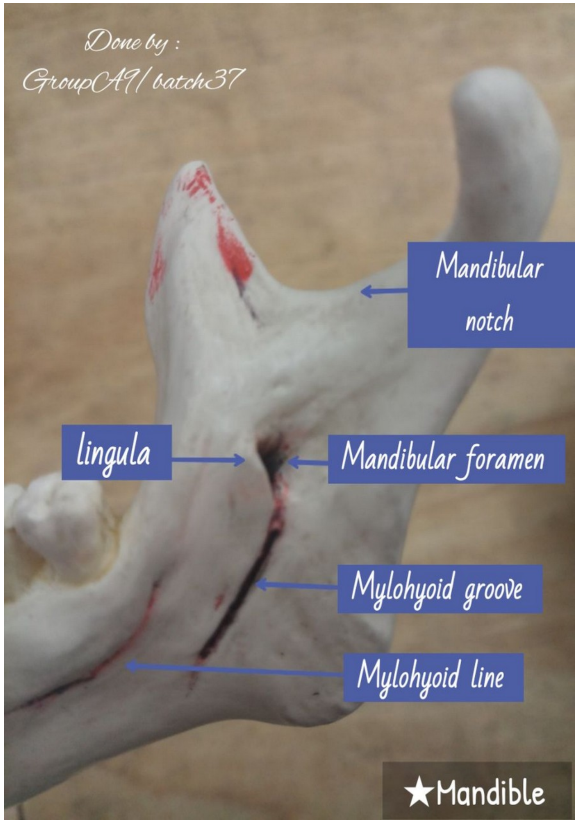
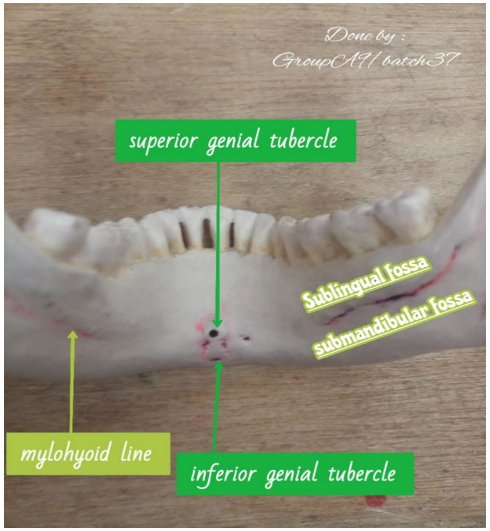
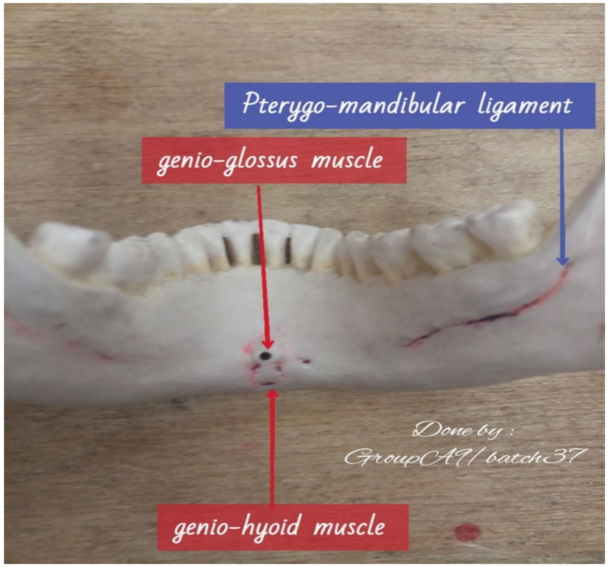
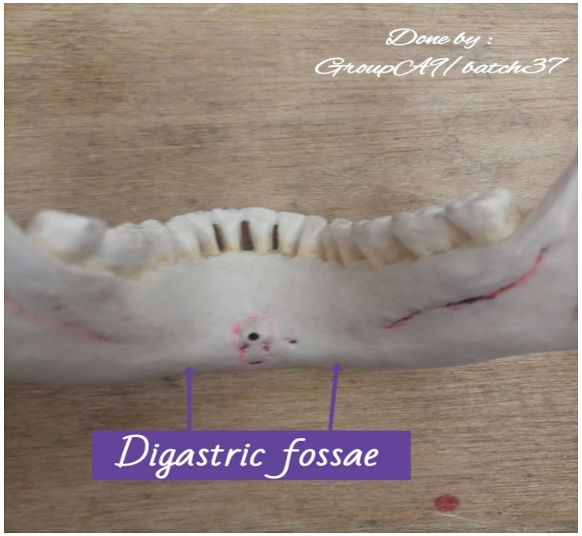
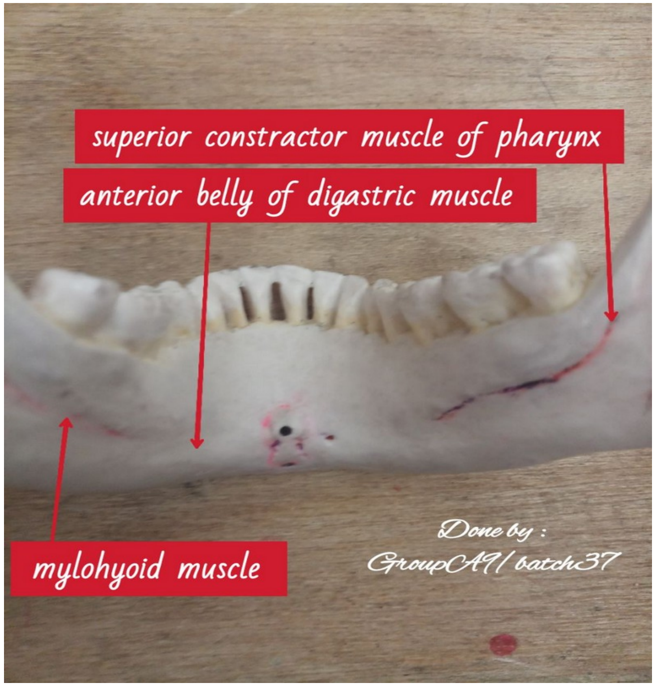
GroupA9 / batch 37
Pterygoid fossa
Coronoid process
Mental foramen
Angle of mandible
Oblique line
MANDIBLE

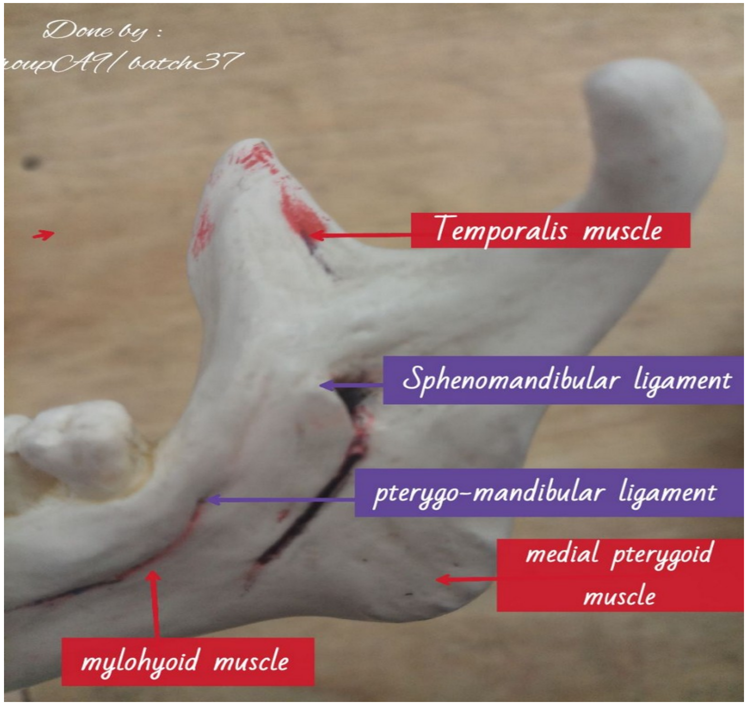

Done by :
GroupA9/ batch37
Mandibular notch
lingula
Mandibular foramen
Mylohyoid groove
Mylohyoid line
★Mandible

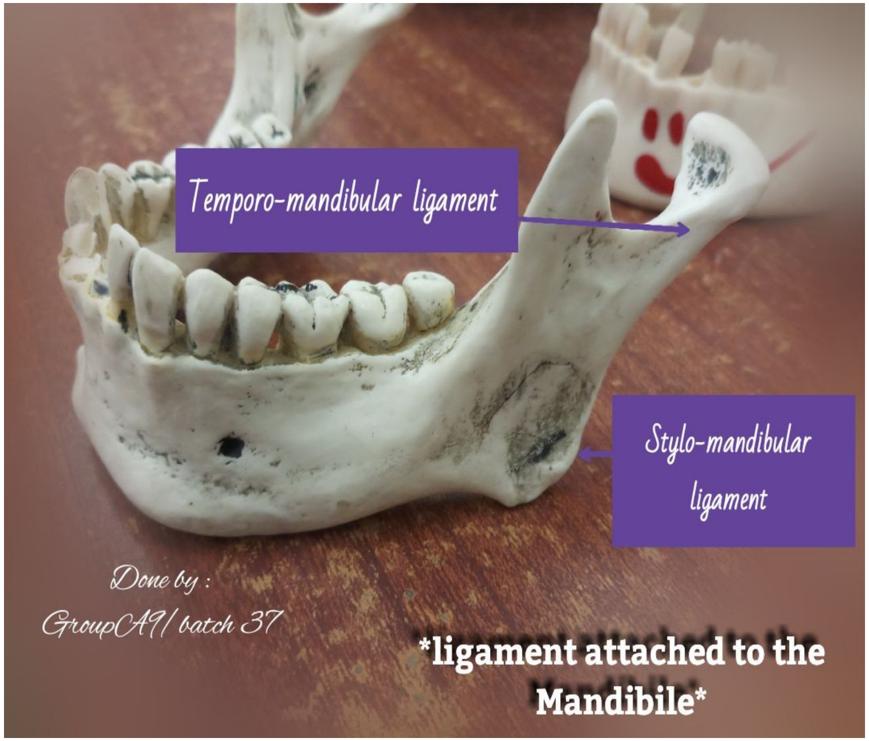

Done by :
GroupA9/ batch37
superior genial tubercle
Sublingual fossa
submandibular fossa
mylohyoid line
inferior genial tubercle


Pterygo-mandibular ligament
genio-glossus muscle
Done by :
GroupA9/ batch37
genio-hyoid muscle


Done by :
GroupA9/ batch37
Digastric fossae

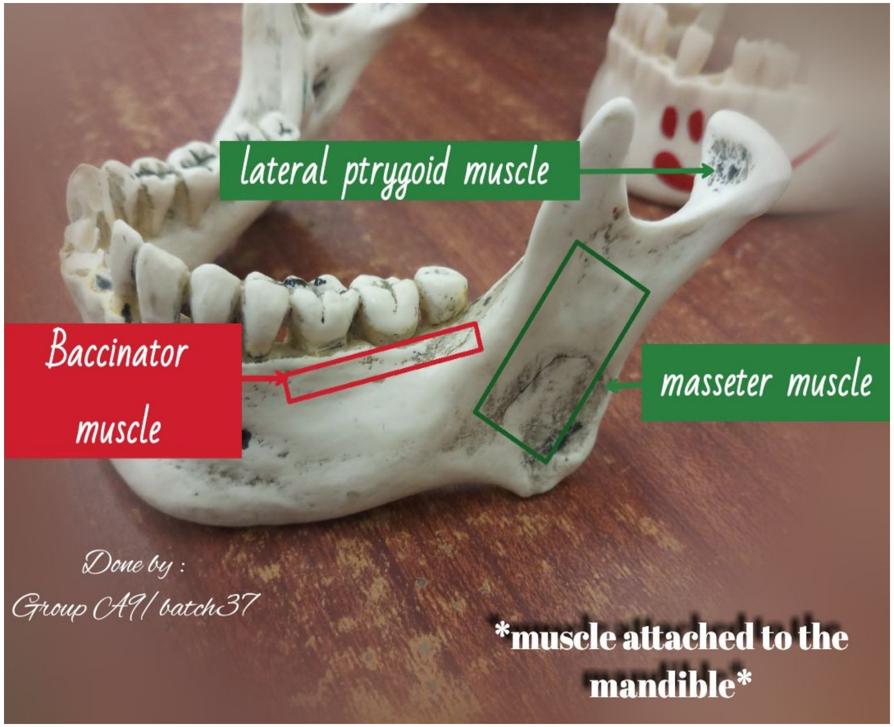

superior constrictor muscle of pharynx
anterior belly of digastric muscle
mylohyoid muscle
Done by :
GroupA9/ batch37


Done by :
GroupA9/ batch37
Temporalis muscle
Sphenomandibular ligament
pterygo-mandibular ligament
medial pterygoid muscle
mylohyoid muscle


Temporo-mandibular ligament
Stylo-mandibular ligament

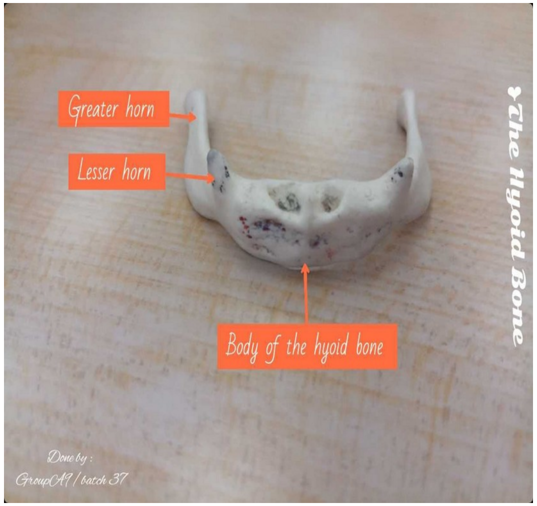
Done by :
GroupA9/ batch 37

ligament attached to the Mandibile


lateral ptrygoid muscle
Baccinator muscle
masseter muscle

Done by :
Group A9/ batch37

muscle attached to the mandible


Greater horn
Lesser horn
Body of the hyoid bone

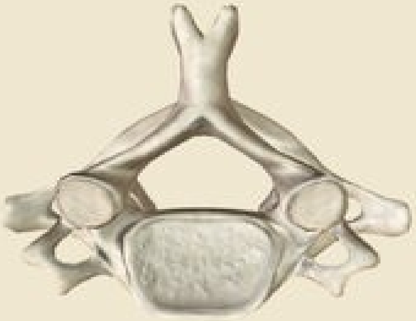
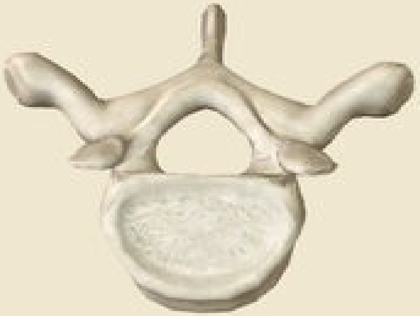
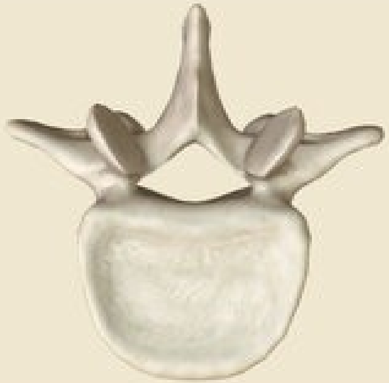
♥The Hyoid Bone

Done by :
GroupA9 / batch 37

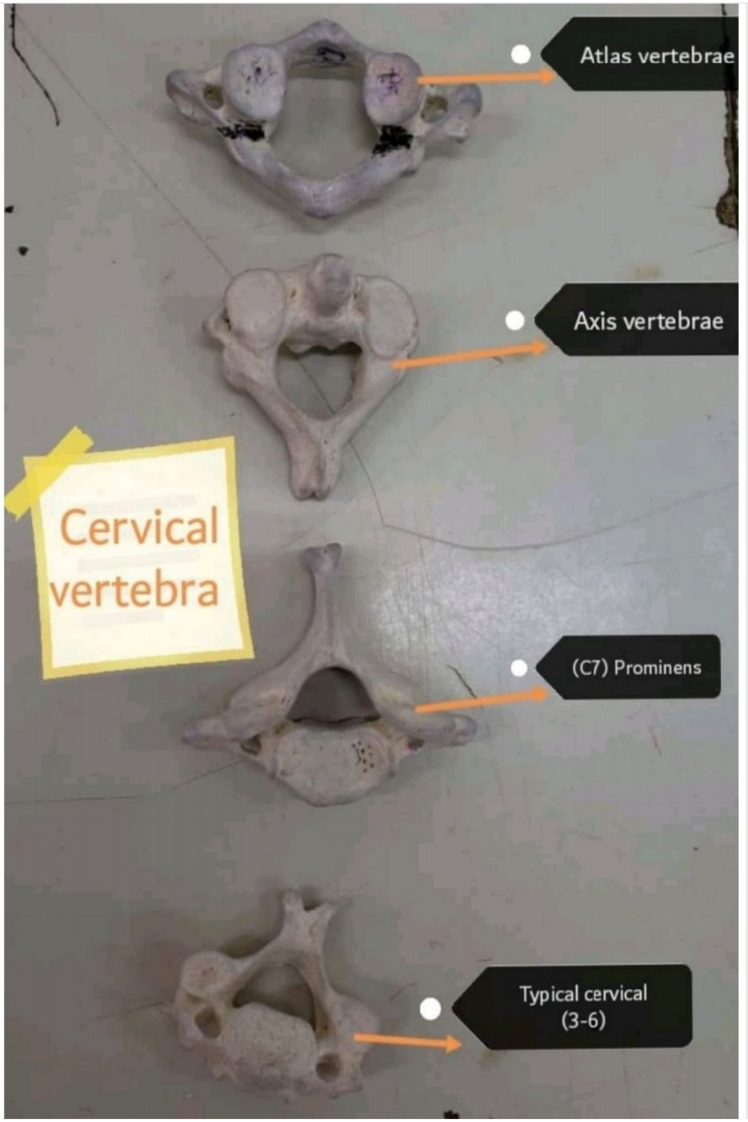
Cervical Vertebrae

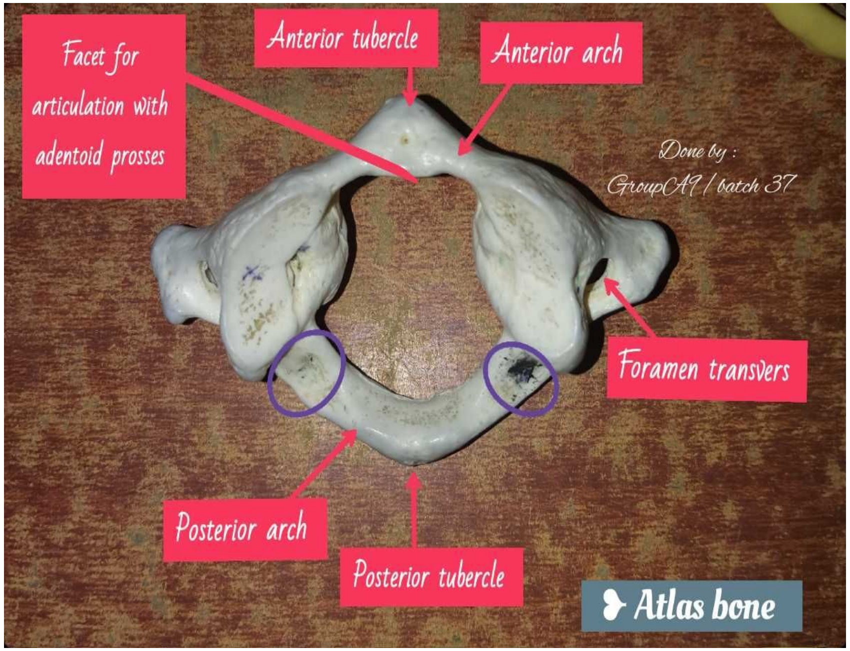
Anatomy Lab

Comparison of Cervical, Thoracic, and Lumbar Vertebrae

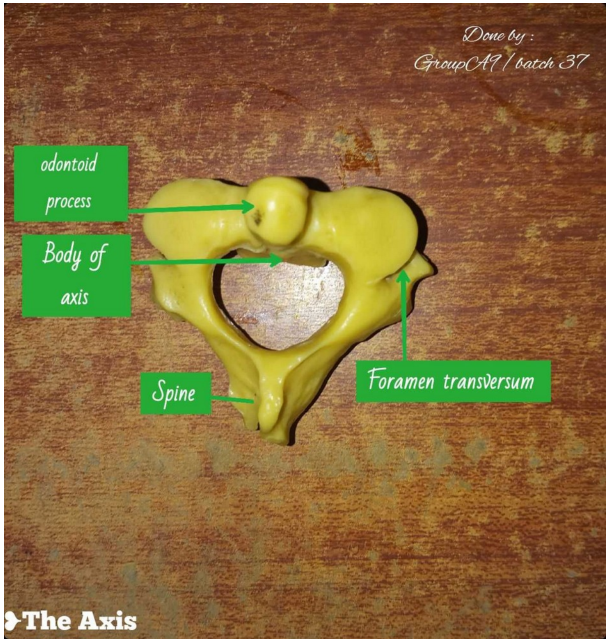
Characteristic	Cervical vertebrae	Thoracic vertebrae	Lumbar vertebrae
Body shape and size	Small and oval; C_1 lacks a body; C_2 has the dens on the superior surface of its body	Larger and heart-shaped; contain costal facets	Largest and kidney-shaped
Vertebral foramen shape	Triangular	Circular	Flattened triangular
Transverse processes	Contain transverse foramina	Long; contain articular facets for ribs	Short with no facets or foramina
Spinous processes	Most are fork-shaped; C_1 lacks a spinous process	Long; point inferiorly	Thick; point posteriorly
Appearance (superior view)			

powered by BIODIGITAL

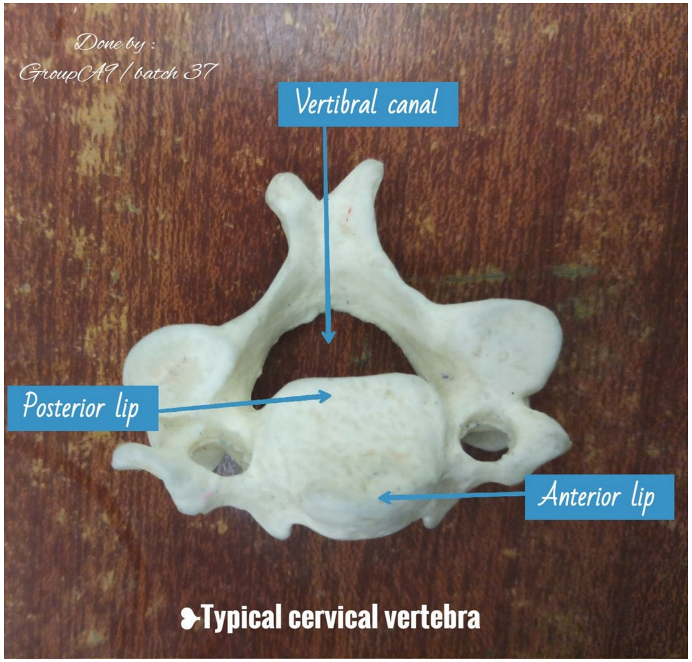

Atlas vertebrae
Axis vertebrae
Cervical vertebra
(C7) Prominens
Typical cervical (3-6)


Facet for articulation with adentoid prosses
Anterior tubercle
Anterior arch
Foramen transvers
Posterior arch
Posterior tubercle
Atlas bone

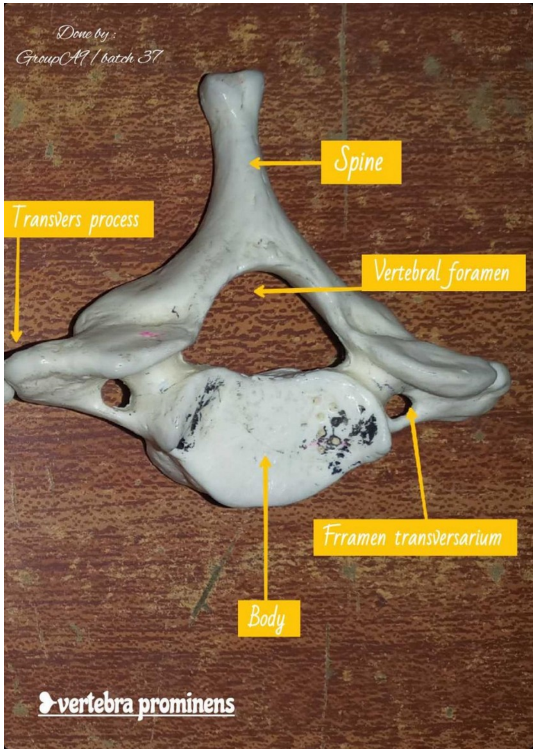
Done by :
GroupA9 / batch 37


odontoid process
Body of axis
Spine
Foramen transversum
The Axis

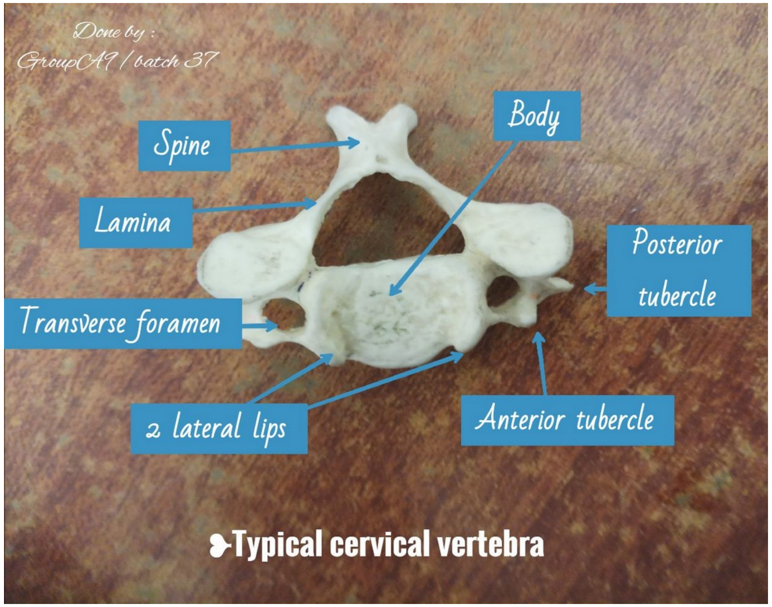
Done by :
GroupA9 / batch 37


Done by :
GroupCA9 / batch 37
Vertibral canal
Posterior lip
Anterior lip

➧Typical cervical vertebra


Done by :
GroupCA9 / batch 37
Spine
Transvers process
Vertebral foramen
Frramen transversarium
Body

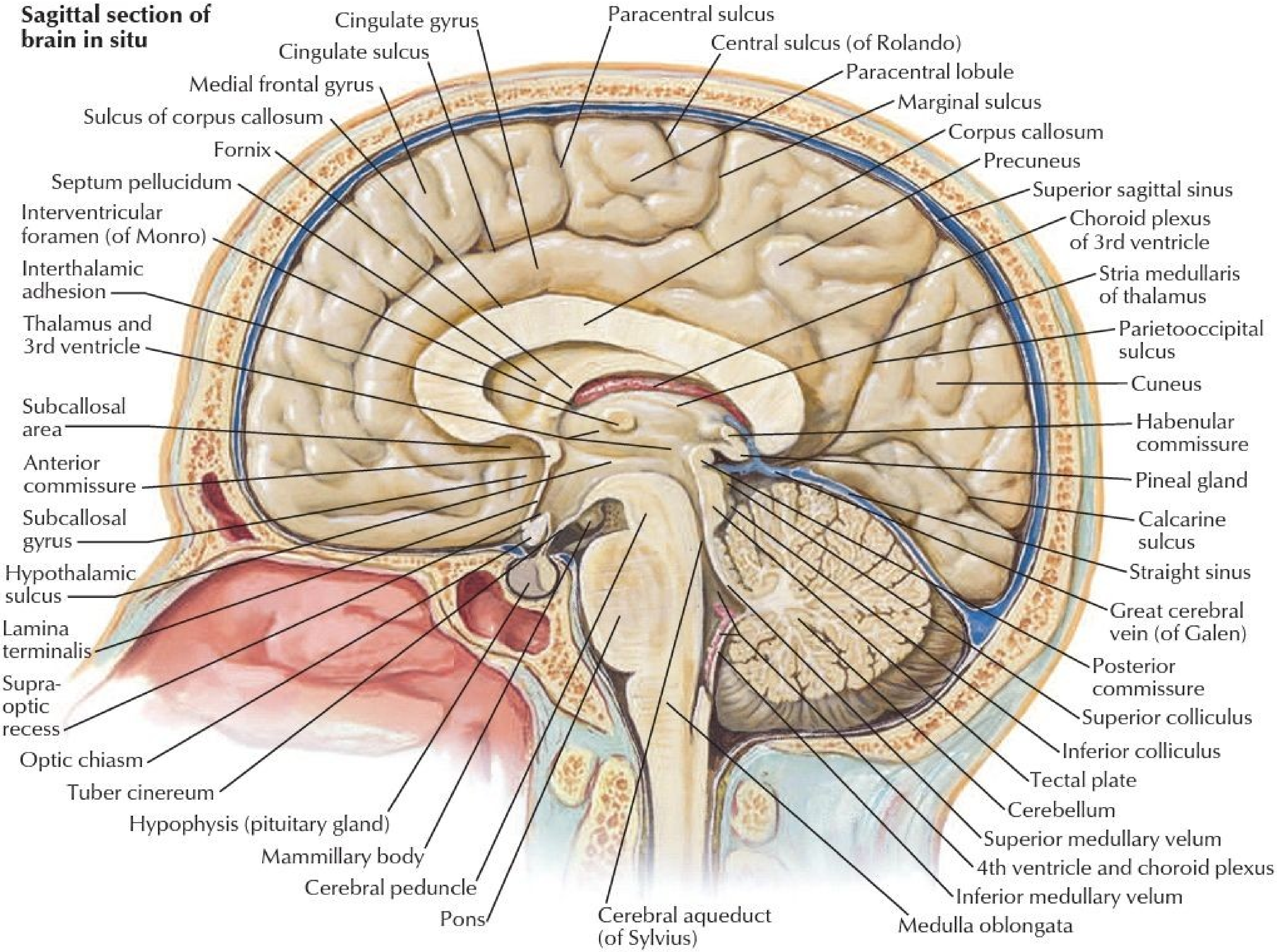
➧vertebra prominens


Done by :
GroupCA9 / batch 37
Body
Spine
Lamina
Posterior tubercle
Transverse foramen
Anterior tubercle
2 lateral lips

➧Typical cervical vertebra

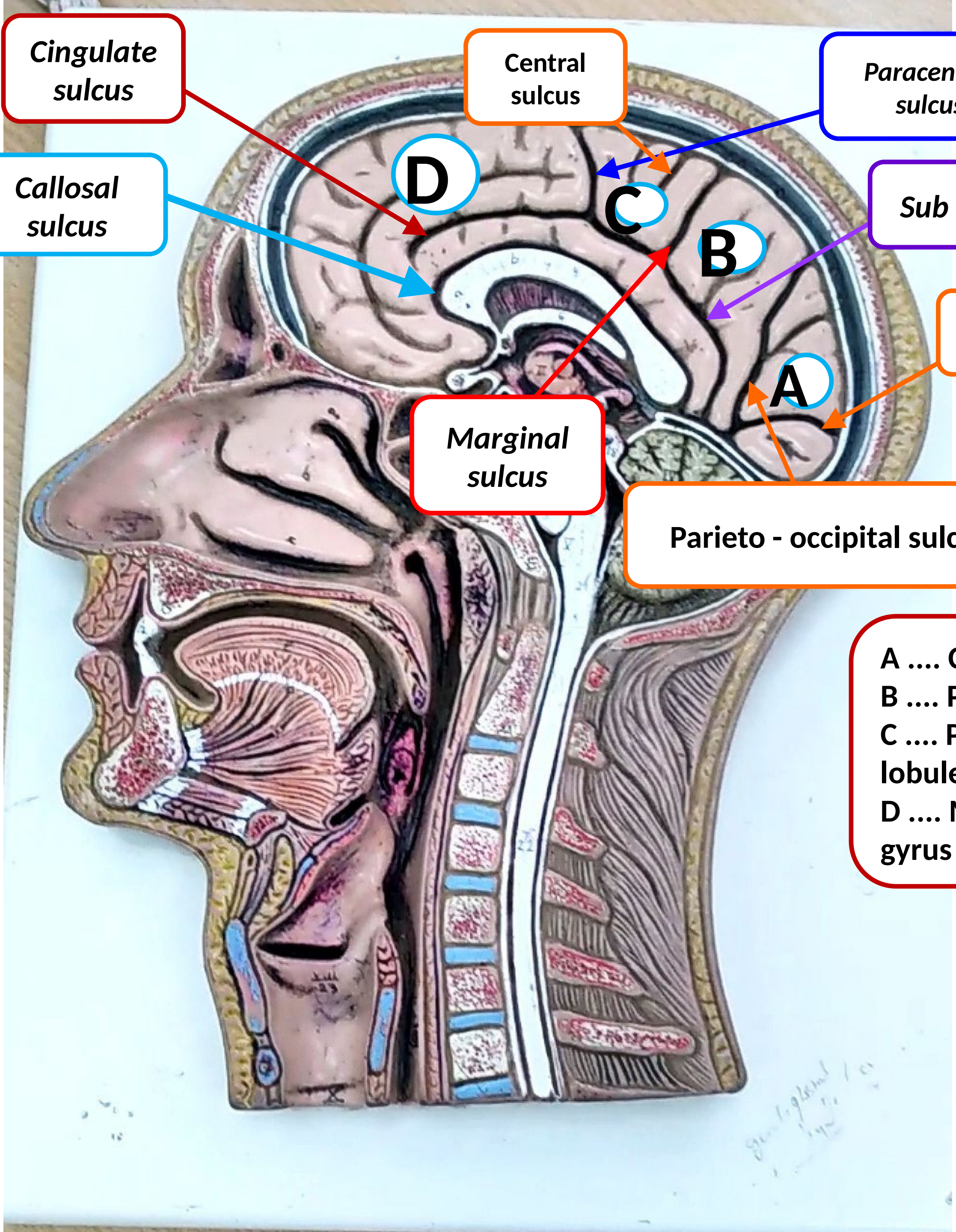
SAGITTAL SECTION OF THE H & N

WITH NEUROANATOMY



Sagittal section of brain in situ

Cingulate gyrus
Cingulate sulcus
Medial frontal gyrus
Sulcus of corpus callosum
Fornix
Septum pellucidum
Interventricular foramen (of Monro)
Interthalamic adhesion
Thalamus and 3rd ventricle
Subcallosal area
Anterior commissure
Subcallosal gyrus
Hypothalamic sulcus
Lamina terminalis
Supra-optic recess
Optic chiasm
Tuber cinereum
Hypophysis (pituitary gland)
Mammillary body
Cerebral peduncle
Pons
Cerebral aqueduct (of Sylvius)
Paracentral sulcus
Central sulcus (of Rolando)
Paracentral lobule
Marginal sulcus
Corpus callosum
Precuneus
Superior sagittal sinus
Choroid plexus of 3rd ventricle
Stria medullaris of thalamus
Parietooccipital sulcus
Cuneus
Habenular commissure
Pineal gland
Calcarine sulcus
Straight sinus
Great cerebral vein (of Galen)
Posterior commissure
Superior colliculus
Inferior colliculus
Tectal plate
Cerebellum
Superior medullary velum
4th ventricle and choroid plexus
Inferior medullary velum
Medulla oblongata



Cingulate sulcus

Central sulcus

Paracentral sulcus

Callosal sulcus

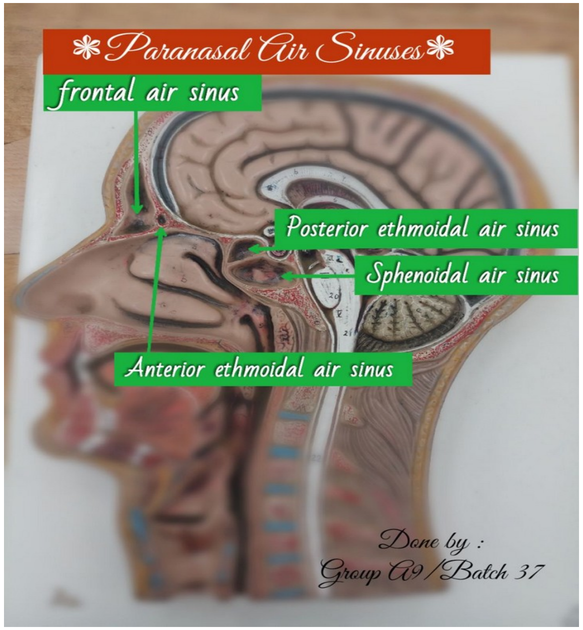
Sub - parietal sulcus

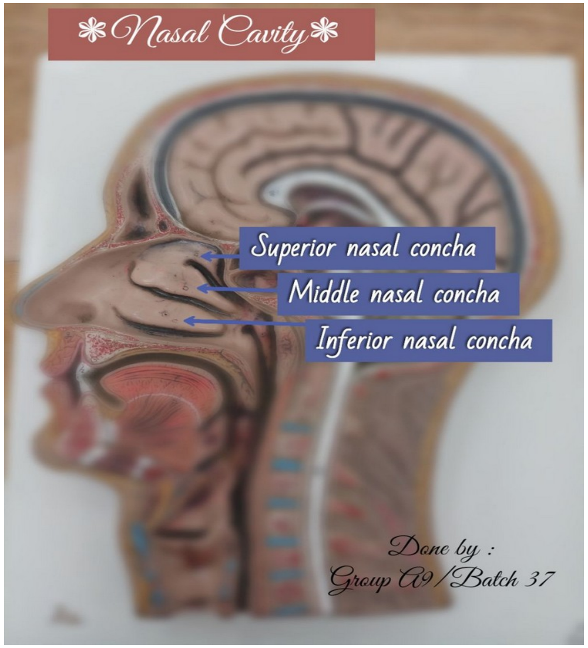
Calcarine sulcus

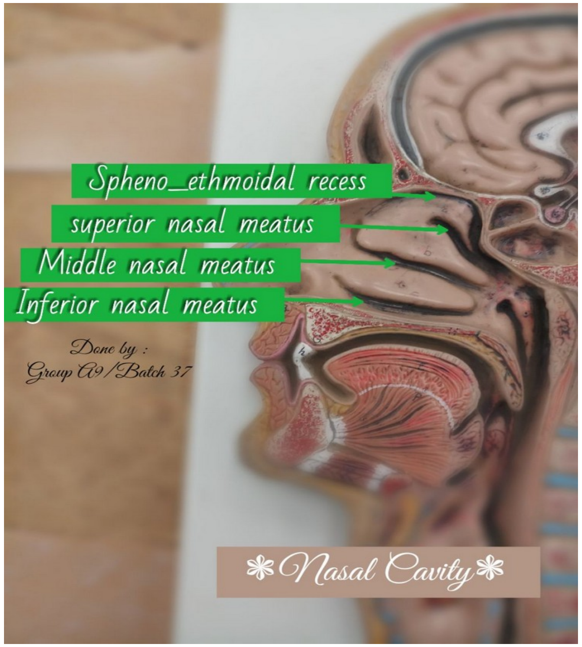
Marginal sulcus

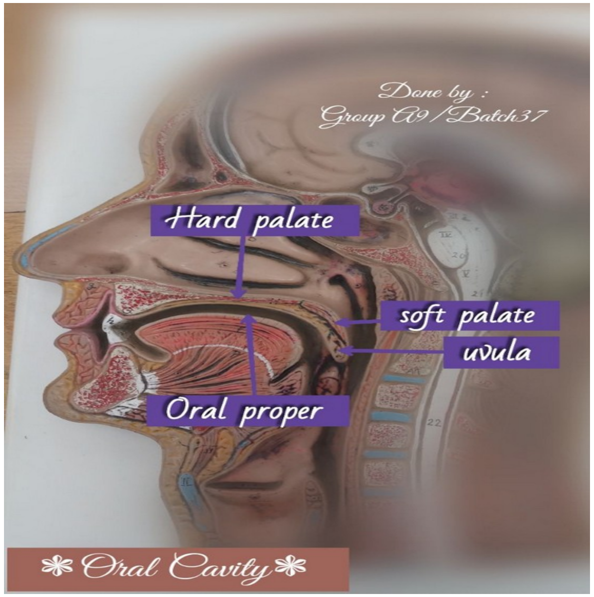
Parieto - occipital sulcus

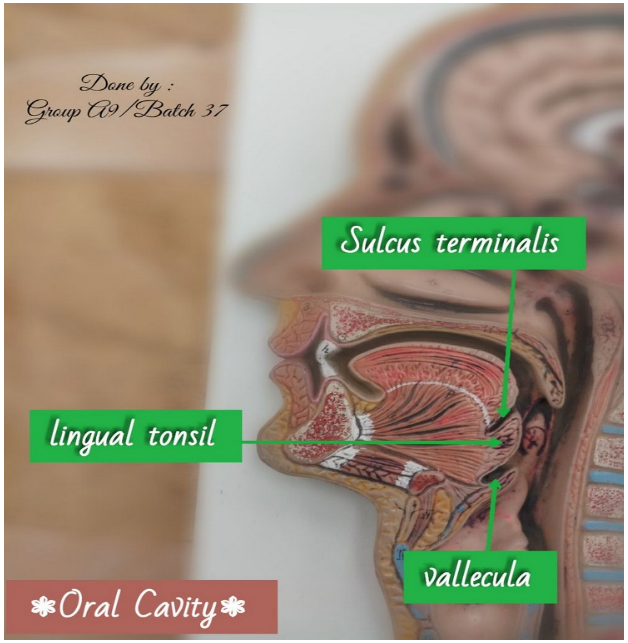
A .... Cuneus
B .... Precuneus
C .... Paracentral lobule
D .... Medial frontal gyrus

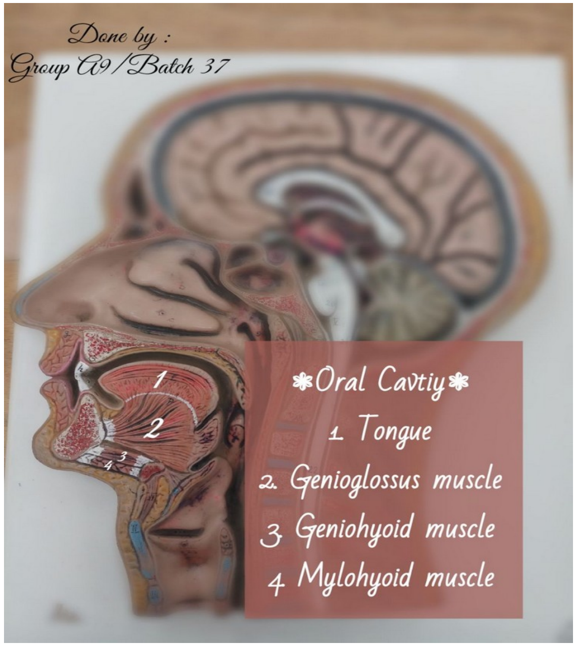

❀ Paranasal Air Sinuses ❀
frontal air sinus
Posterior ethmoidal air sinus
Sphenoidal air sinus
Anterior ethmoidal air sinus
Done by :
Group A9 / Batch 37

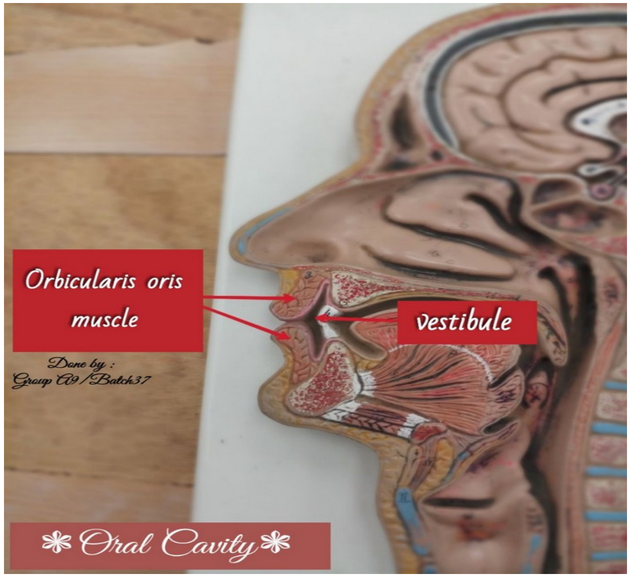

❀ Nasal Cavity ❀
Superior nasal concha
Middle nasal concha
Inferior nasal concha
Done by :
Group A9 / Batch 37

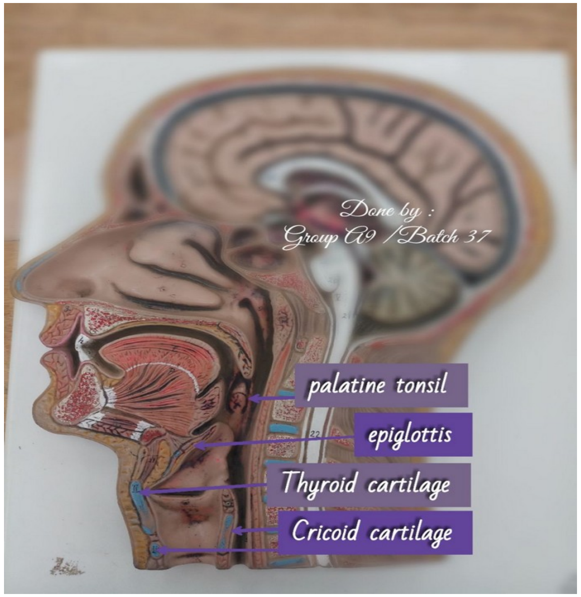

❀ Nasal Cavity ❀
Spheno_ethmoidal recess
superior nasal meatus
Middle nasal meatus
Inferior nasal meatus
Done by :
Group A9 / Batch 37

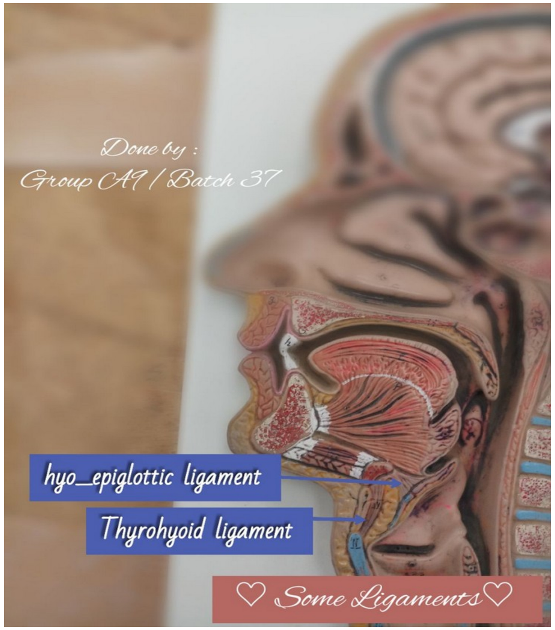

❀ Oral Cavity ❀
Hard palate
soft palate
uvula
Oral proper
Done by :
Group A9 / Batch37


Done by :
Group A9 / Batch 37
Sulcus terminalis
lingual tonsil
vallecula
❀Oral Cavity❀


Done by :
Group A9 / Batch 37
1
2
3
4
❀Oral Cavtiy❀
1. Tongue
2. Genioglossus muscle
3 Geniohyoid muscle
4 Mylohyoid muscle

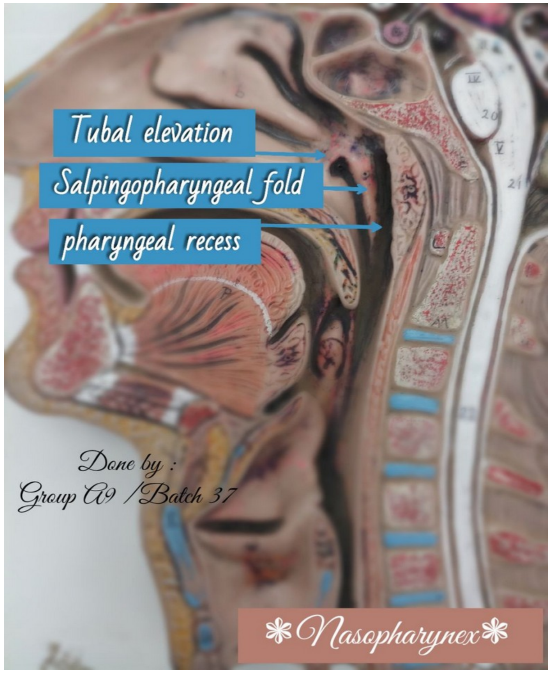

Orbicularis oris muscle
vestibule
Done by :
Group A9 / Batch37
❀ Oral Cavity ❀


Done by :
Group A9 / Batch 37
palatine tonsil
epiglottis
Thyroid cartilage
Cricoid cartilage


hyo_epiglottic ligament
Thyrohyoid ligament

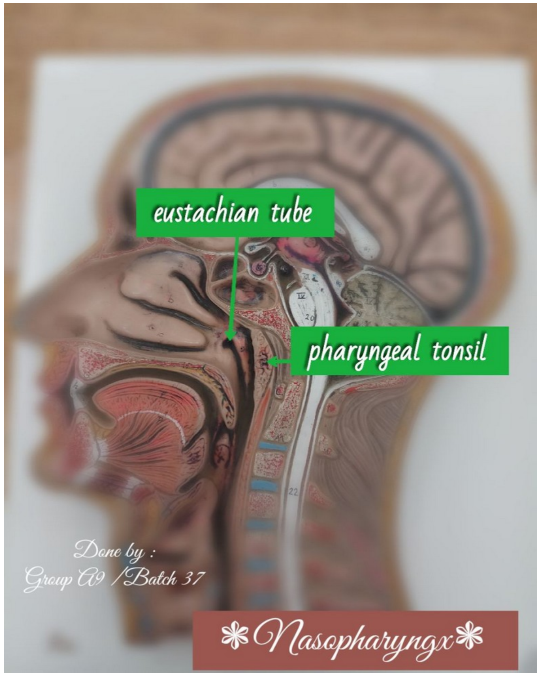
Done by :
Group A9 / Batch 37

♡ Some Ligaments♡


Tubal elevation
Salpingopharyngeal fold
pharyngeal recess

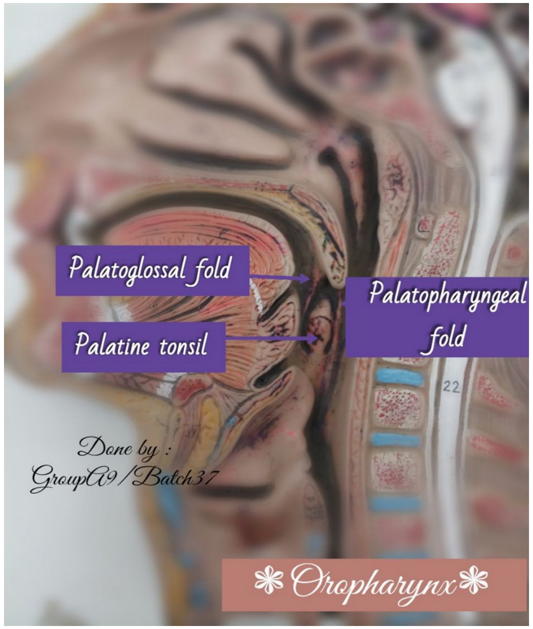
Done by :
Group A9 / Batch 37

❀ Nasopharynex ❀


eustachian tube
pharyngeal tonsil

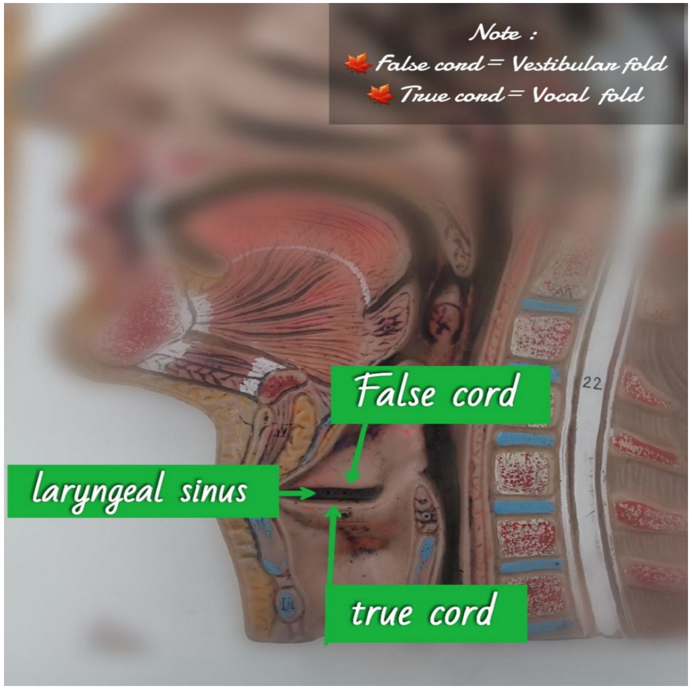
Done by :
Group A9 / Batch 37

❀ Nasopharyngx ❀


Palatoglossal fold
Palatine tonsil
Palatopharyngeal fold

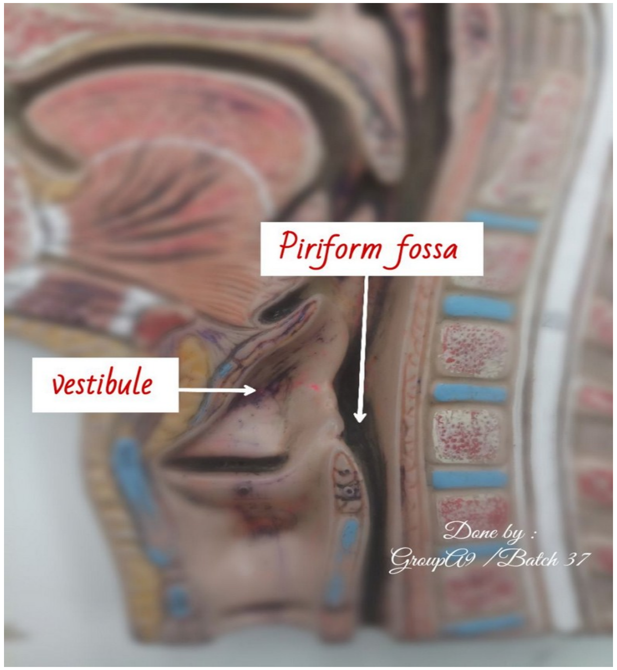
Done by :
GroupA9/Batch37

❀ Oropharynx ❀



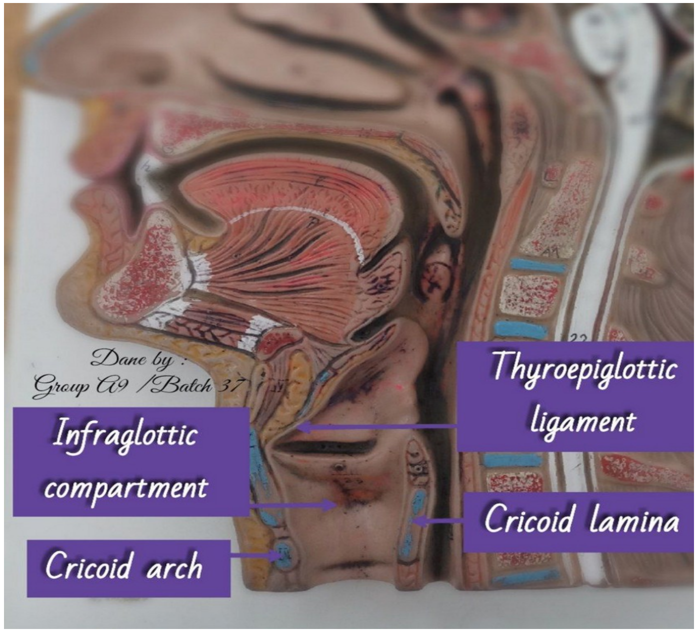
Note :
False cord = Vestibular fold
True cord = Vocal fold

False cord
laryngeal sinus
true cord
22



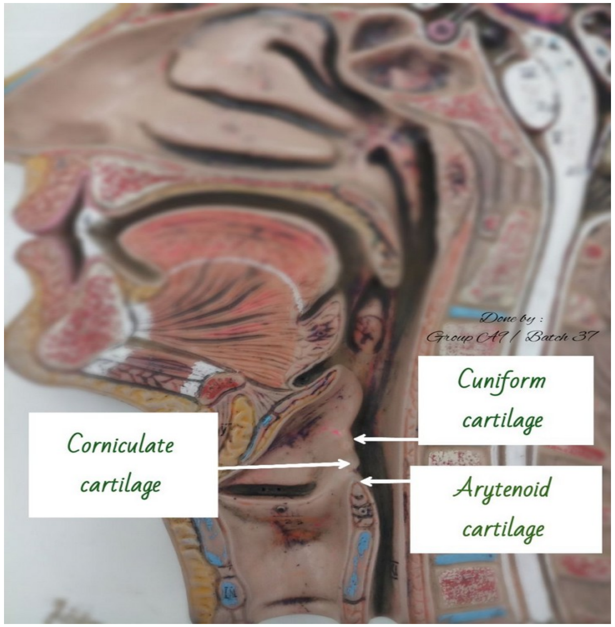
Done by :
GroupA9 /Batch 37

Piriform fossa
vestibule



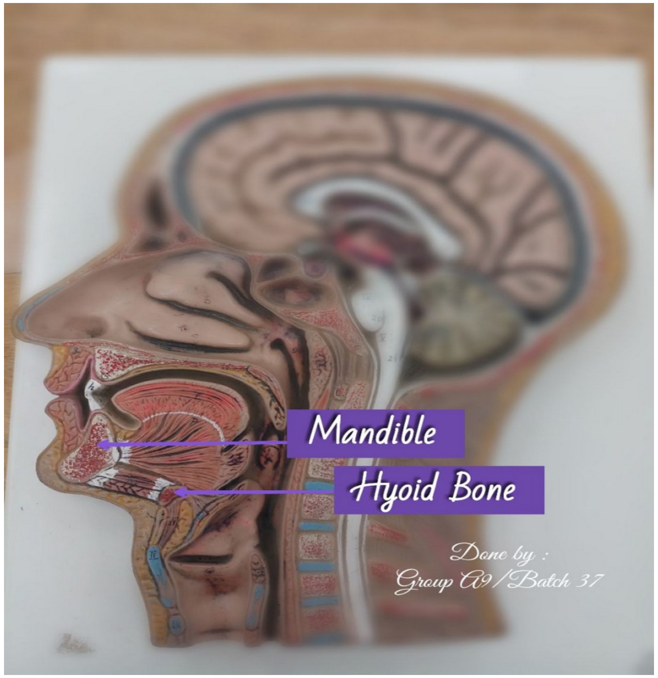
Done by :
Group A9 /Batch 37

Thyroepiglottic ligament
Infraglottic compartment
Cricoid lamina
Cricoid arch

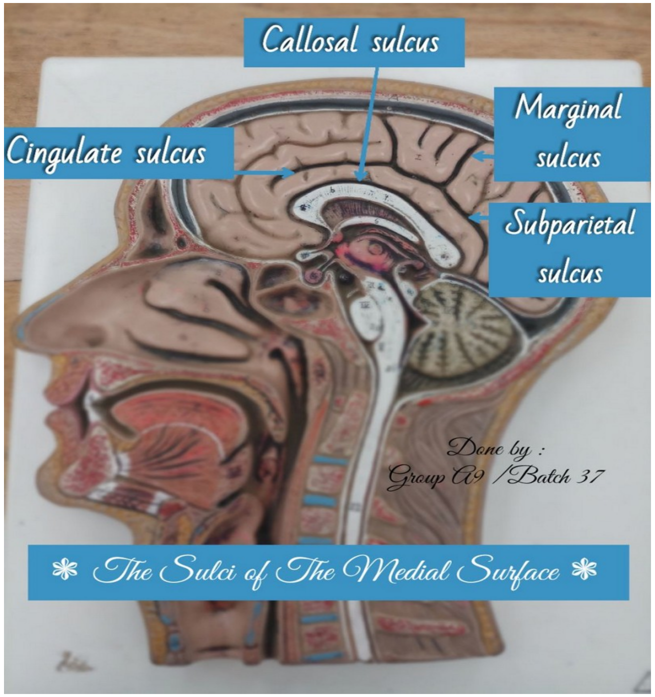


Done by :
Group A9 / Batch 37

Cuniform cartilage
Corniculate cartilage
Arytenoid cartilage

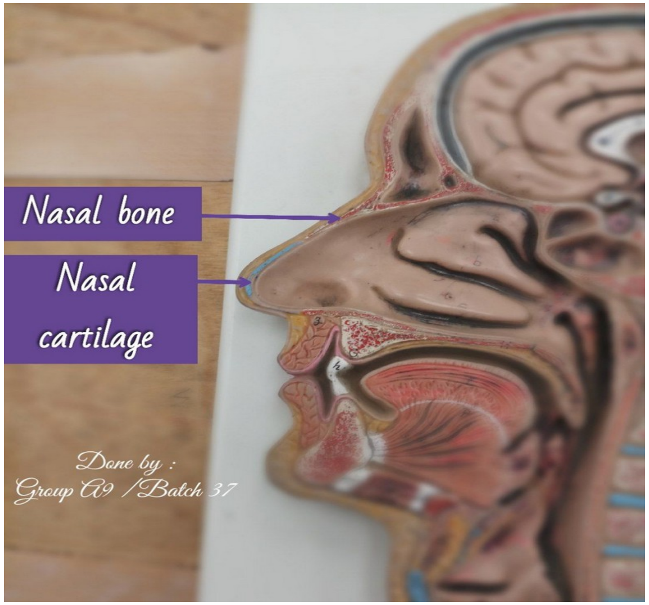

Mandible
Hyoid Bone

Done by :
Group A9 / Batch 37

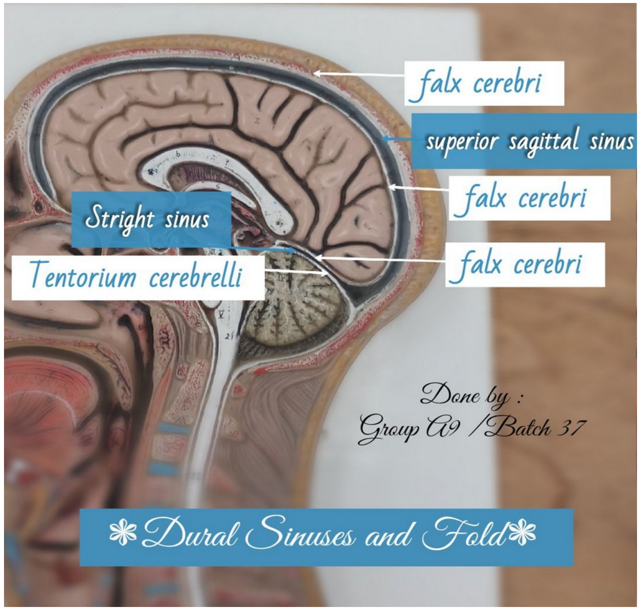

Callosal sulcus
Cingulate sulcus
Marginal sulcus
Subparietal sulcus

Done by :
Group A9 / Batch 37

❋ The Sulci of The Medial Surface ❋

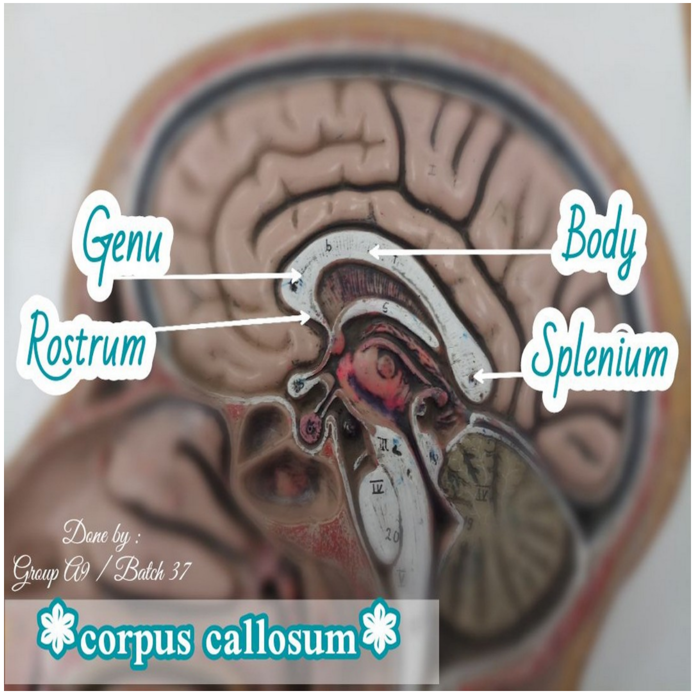

Nasal bone
Nasal cartilage

Done by :
Group A9 / Batch 37

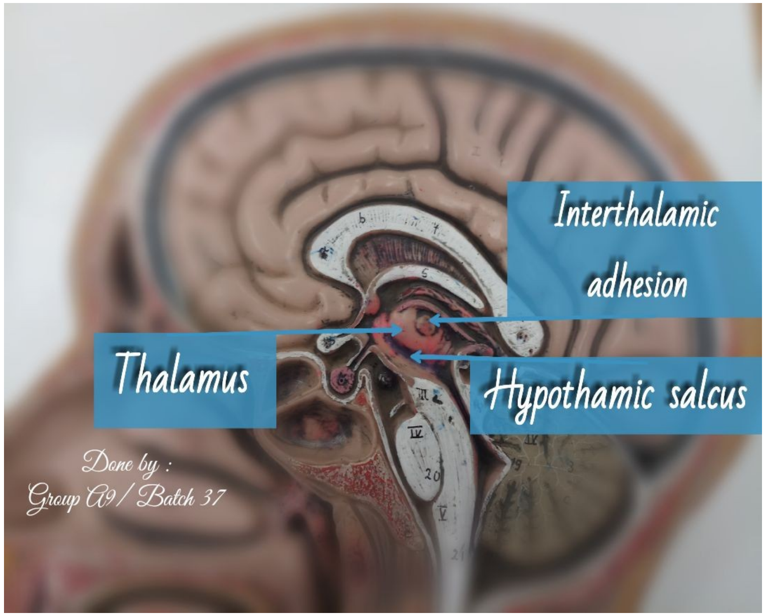

falx cerebri
superior sagittal sinus
falx cerebri
Stright sinus
falx cerebri
Tentorium cerebrelli

Done by :
Group A9 / Batch 37

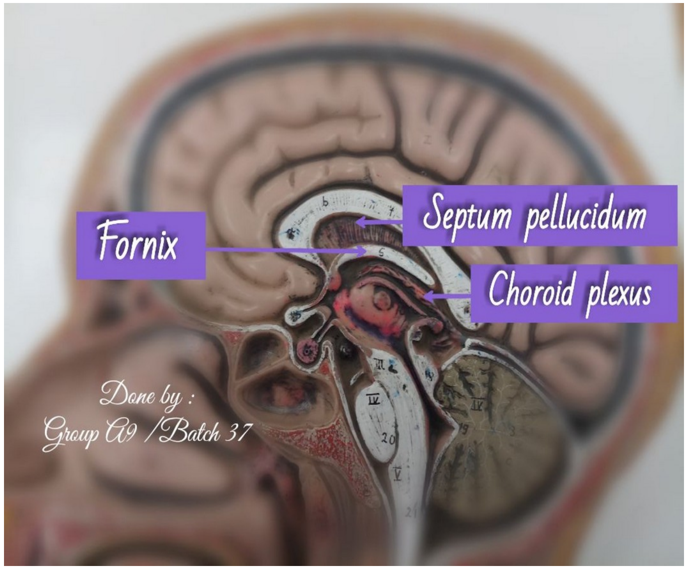
❋ Dural Sinuses and Fold ❋


Genu
Body
Rostrum
Splenium
corpus callosum

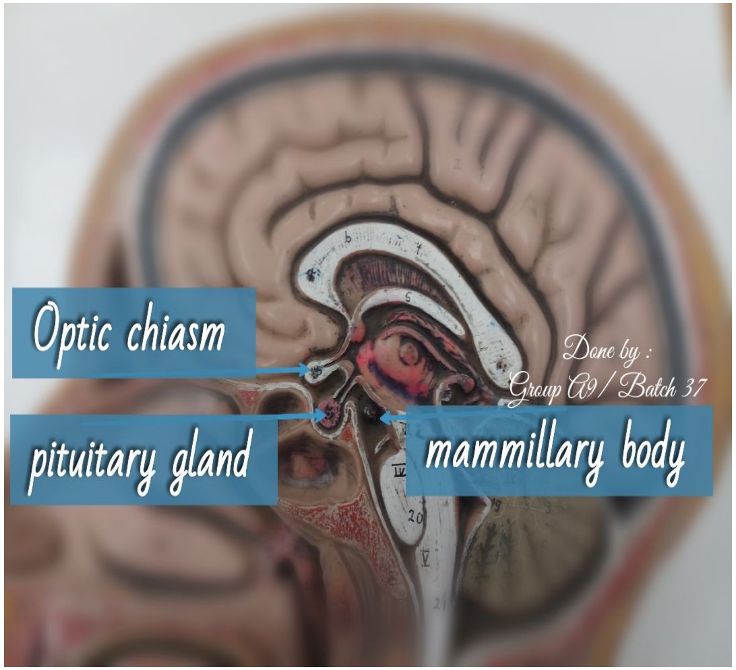
Done by :
Group A9 / Batch 37


Interthalamic adhesion
Thalamus
Hypothamic salcus

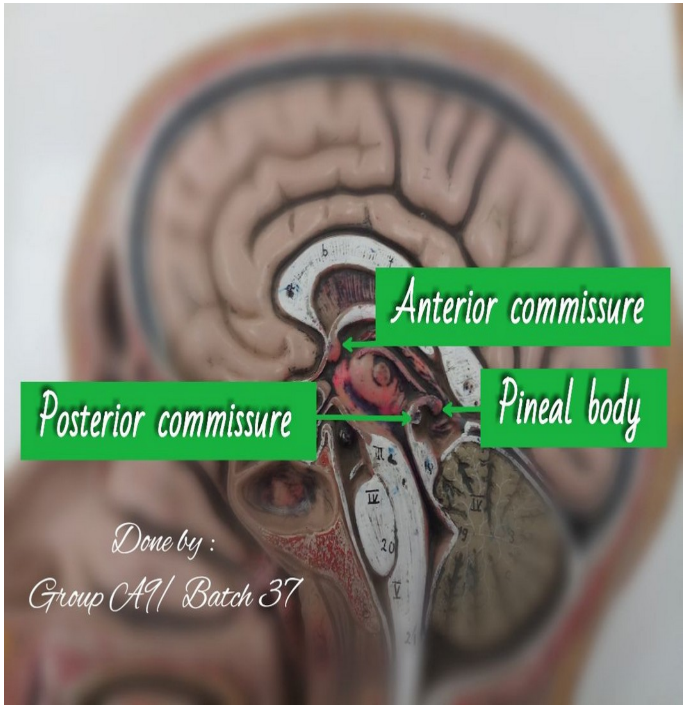
Done by :
Group A9 / Batch 37

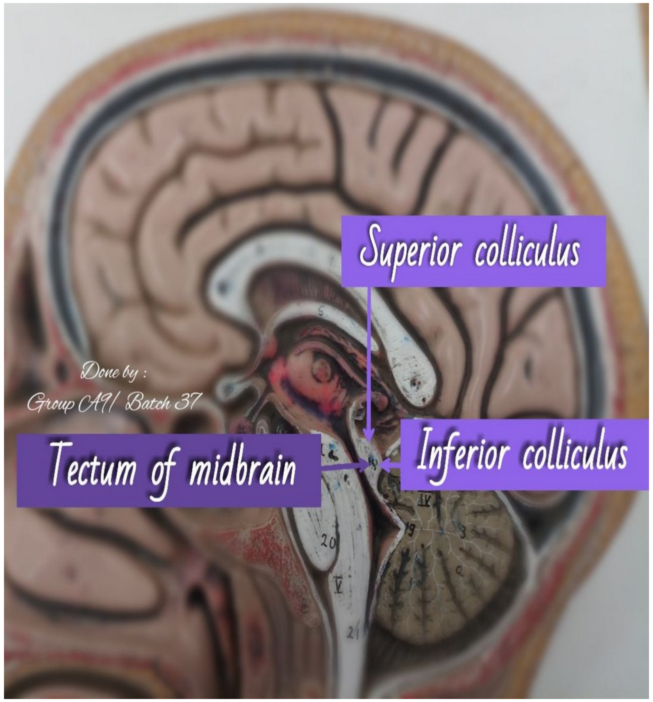

Septum pellucidum
Fornix
Choroid plexus

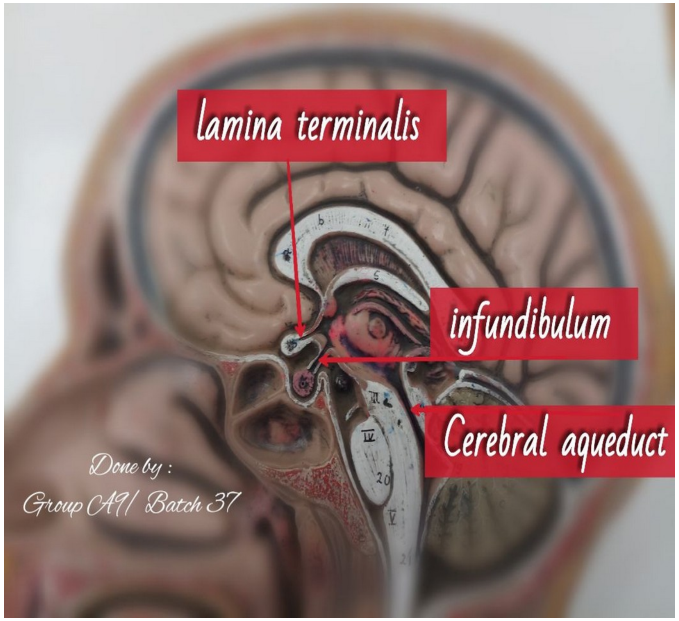
Done by :
Group A9 / Batch 37

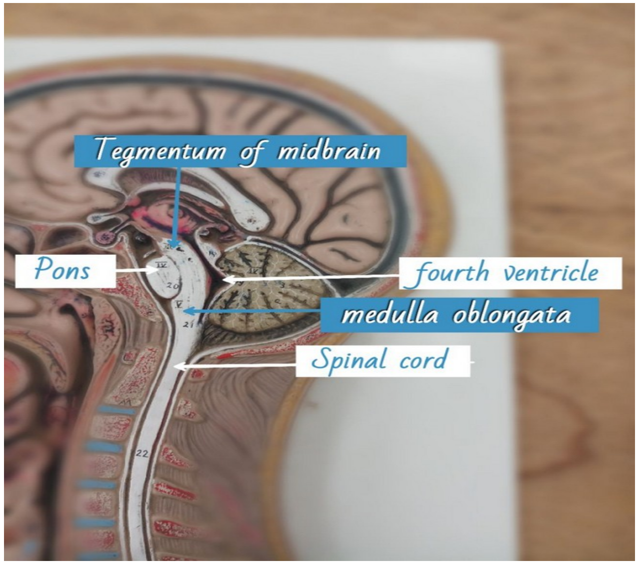

Optic chiasm
pituitary gland
mammillary body

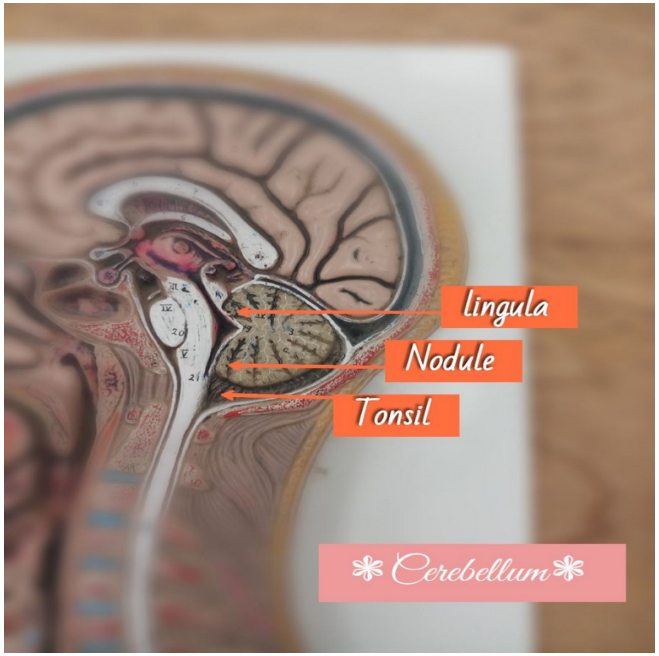
Done by :
Group A9 / Batch 37


Anterior commissure
Posterior commissure
Pineal body
Done by :
Group A9/ Batch 37

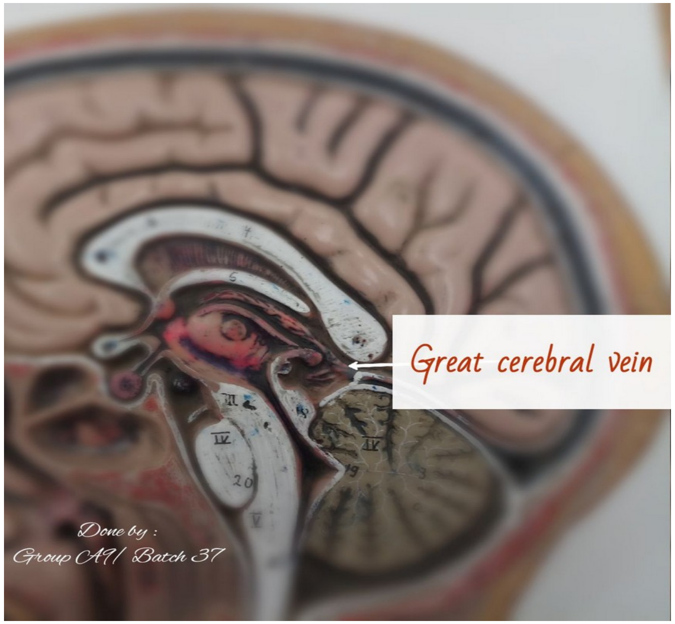

Superior colliculus
Done by :
Group A9/ Batch 37
Tectum of midbrain
Inferior colliculus


lamina terminalis
infundibulum
Cerebral aqueduct
Done by :
Group A9/ Batch 37

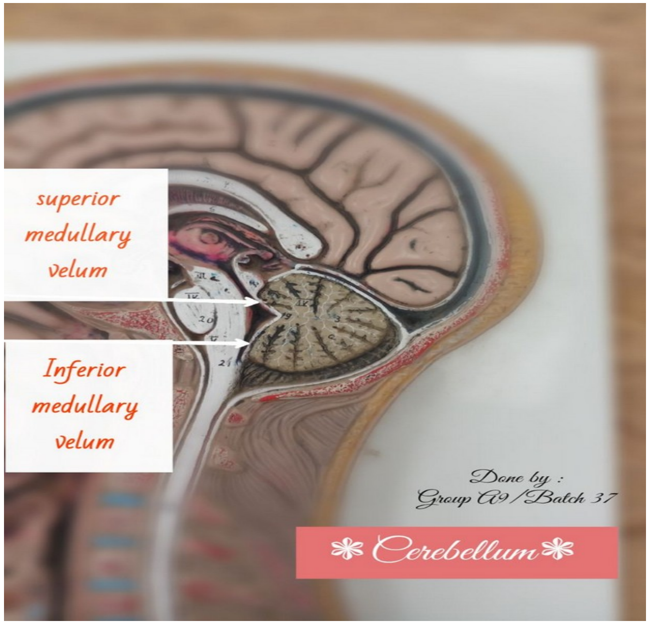

Tegmentum of midbrain
Pons
fourth ventricle
medulla oblongata
Spinal cord


lingula
Nodule
Tonsil

❀ Cerebellum ❀

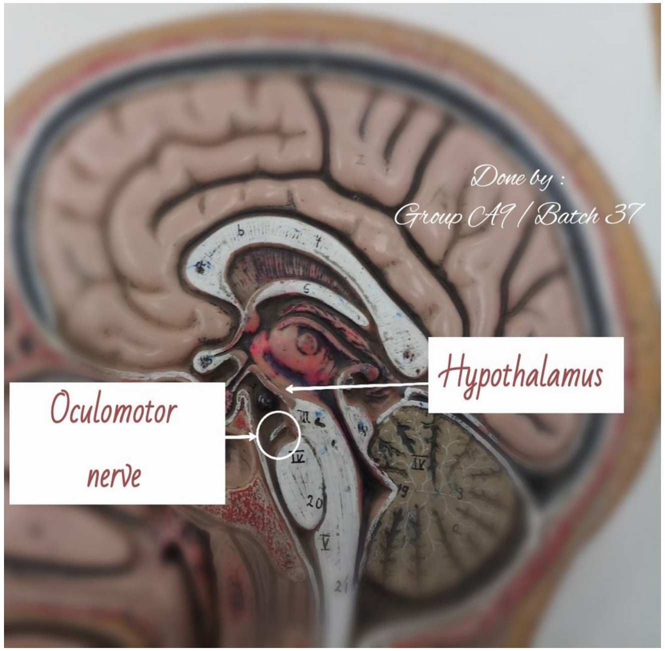

Great cerebral vein

Done by :
Group A9/ Batch 37

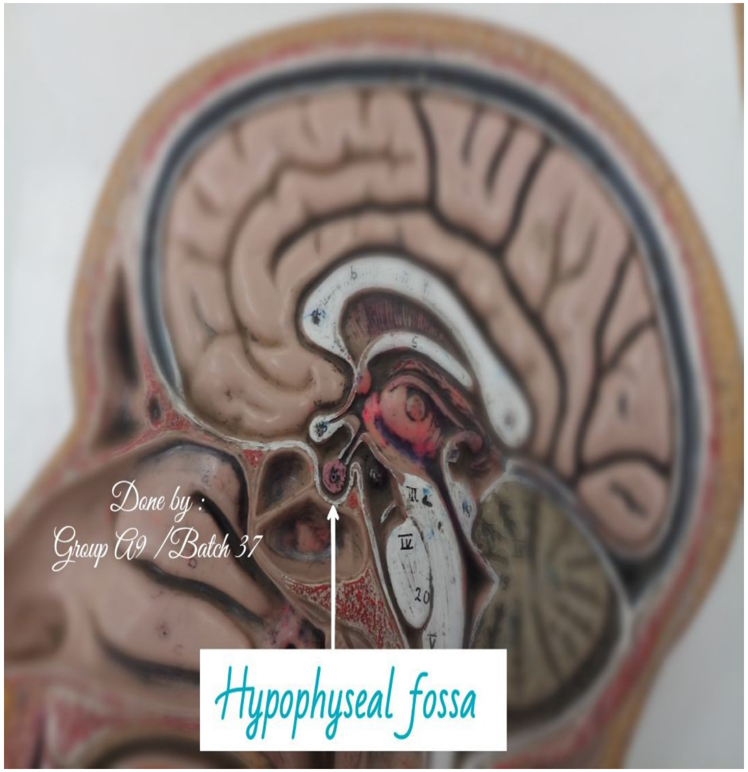

superior medullary velum
Inferior medullary velum

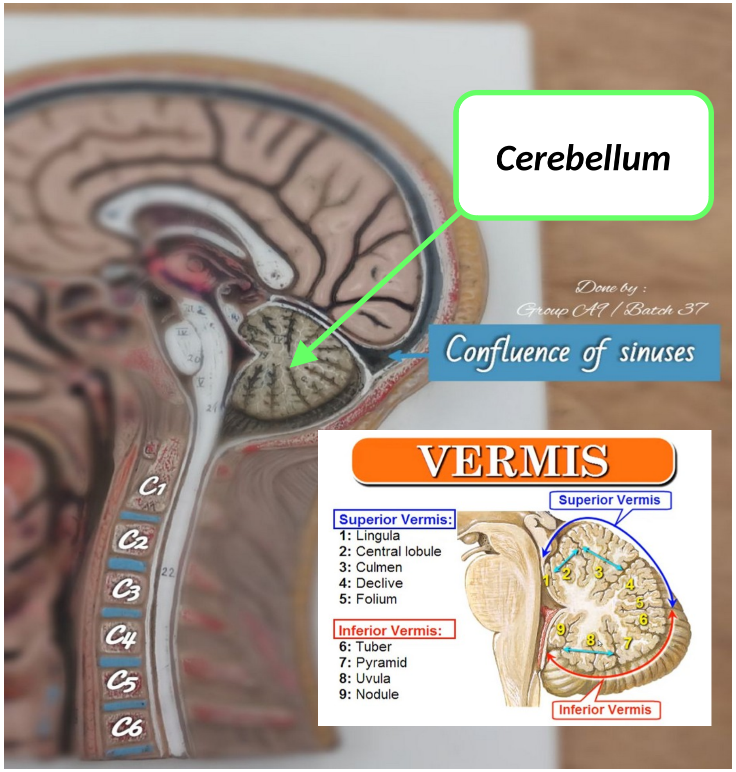
Done by :
Group A9 / Batch 37

❀ Cerebellum ❀

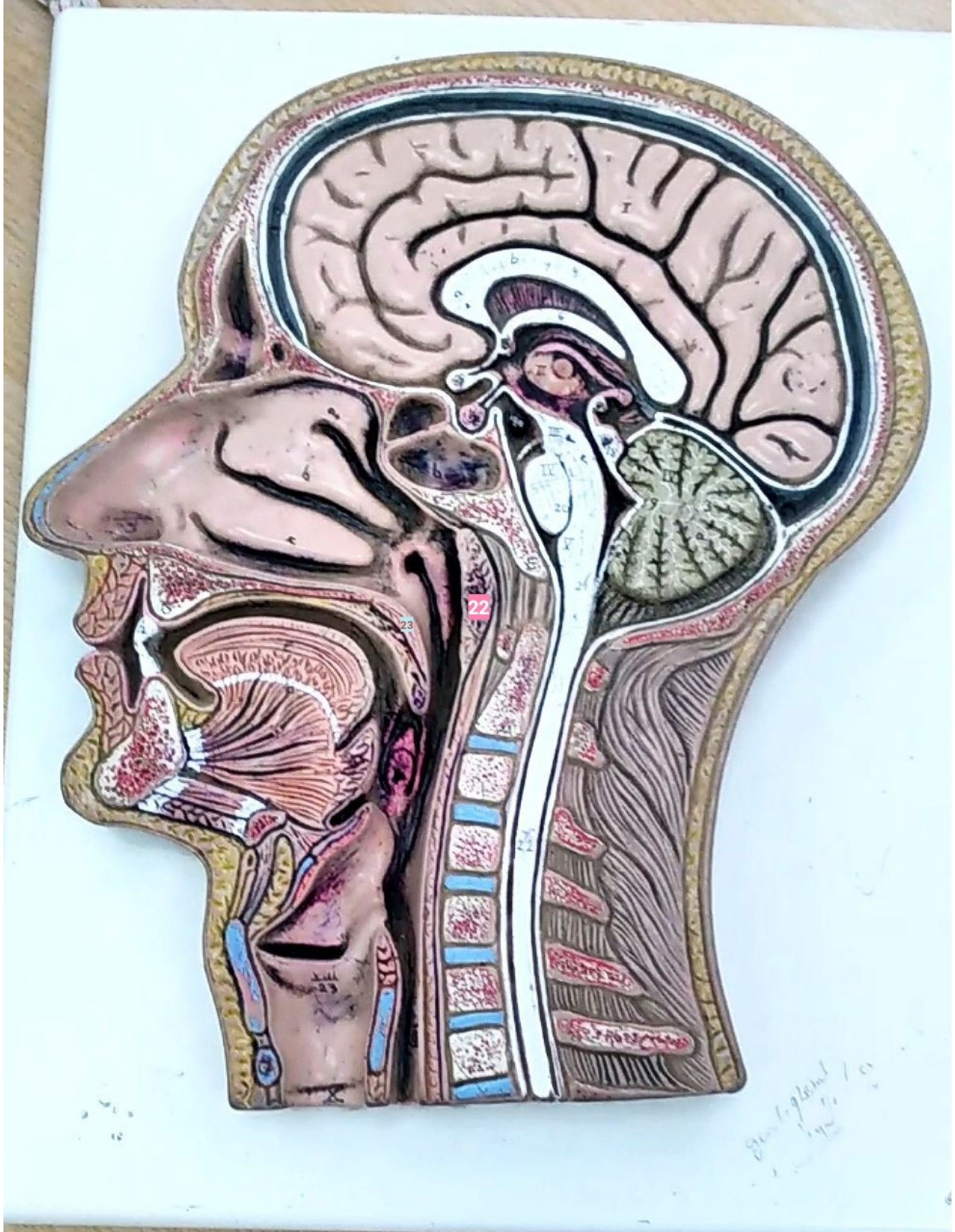

Hypothalamus
Oculomotor nerve

Done by :
Group A9 / Batch 37


Done by :
Group A9 /Batch 37
Hypophyseal fossa

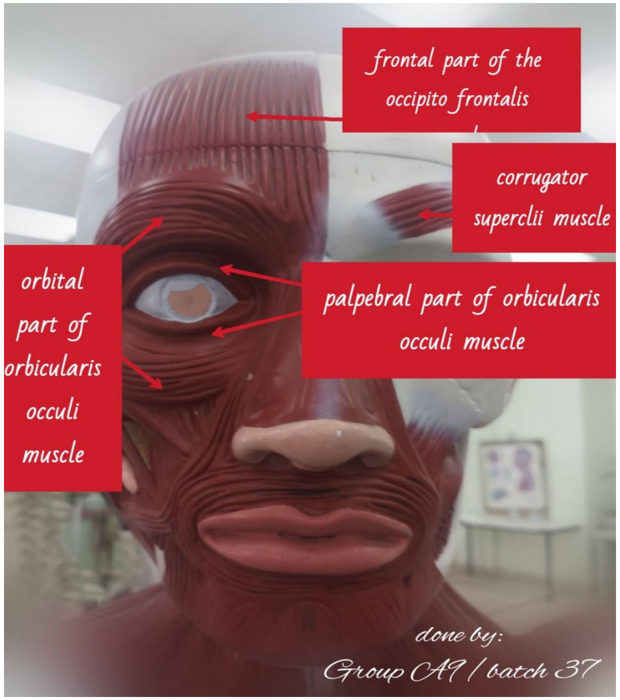

Cerebellum
Done by :
Group A9 / Batch 37
Confluence of sinuses
C1
C2
C3
C4
C5
C6
VERMIS
Superior Vermis:
1: Lingula
2: Central lobule
3: Culmen
4: Declive
5: Folium
Inferior Vermis:
6: Tuber
7: Pyramid
8: Uvula
9: Nodule
Superior Vermis
Inferior Vermis

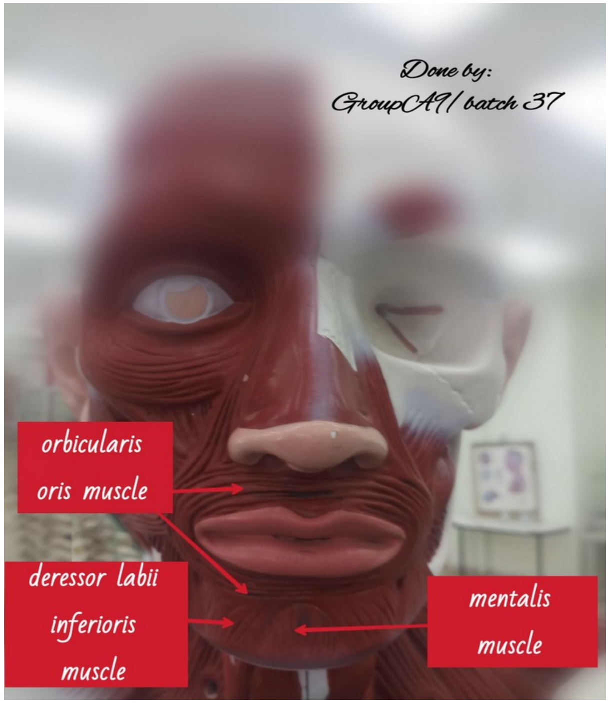
EXAM YOURSELF

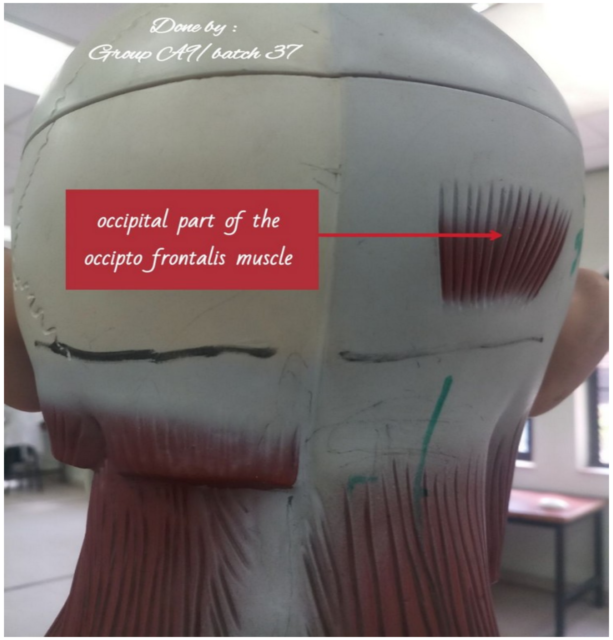


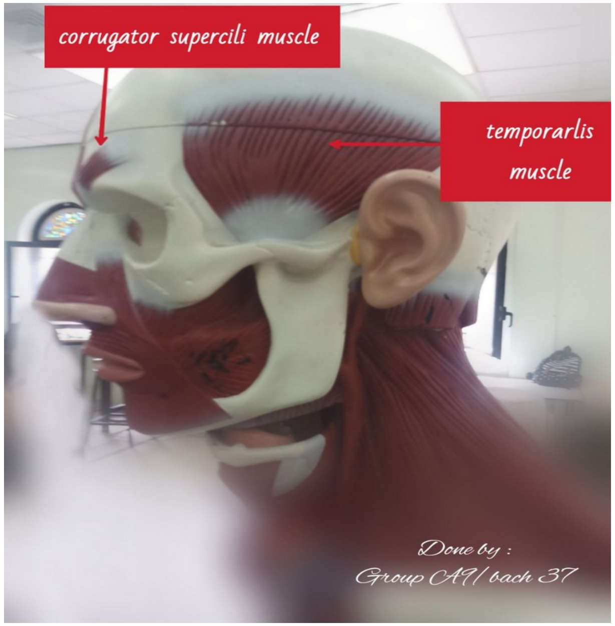
MUSCLES
OF
THE H & N

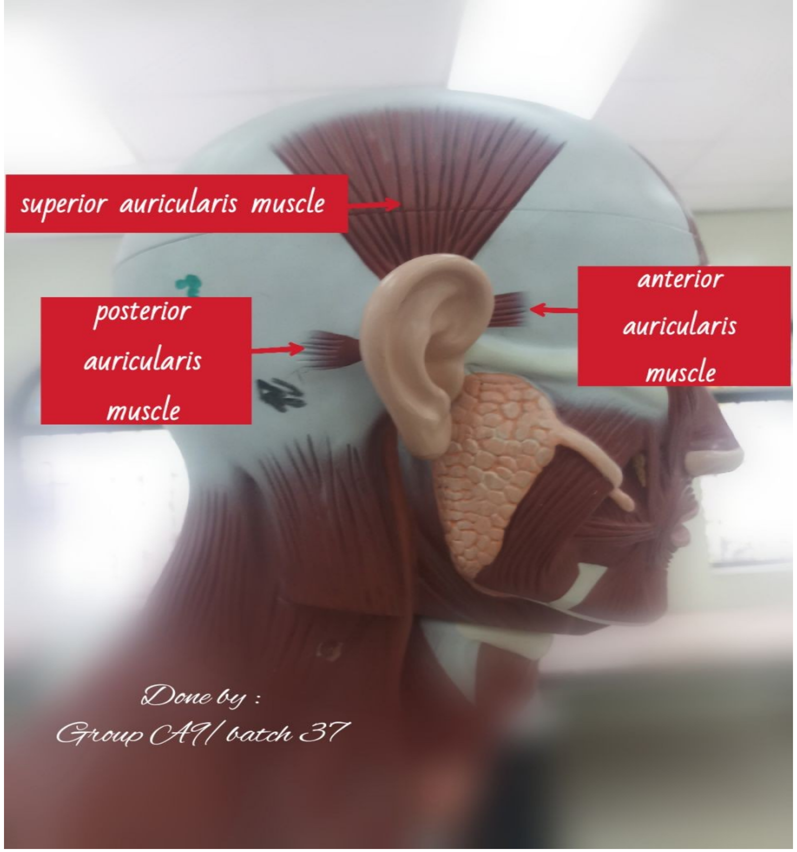
ANATOMY LAB


frontal part of the occipito frontalis
corrugator superclii muscle
orbital part of orbicularis occuli muscle
palpebral part of orbicularis occuli muscle
done by:
Group CA9 / batch 37

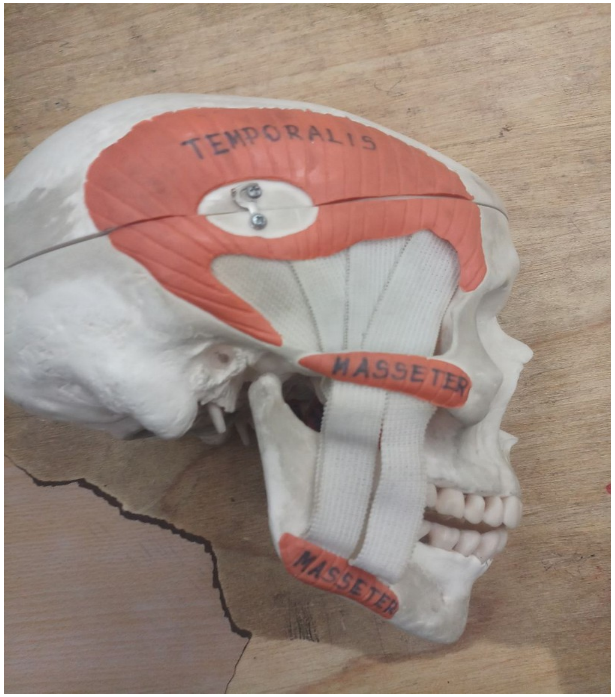

Done by:
GroupCA9/ batch 37
orbicularis oris muscle
deressor labii inferioris muscle
mentalis muscle

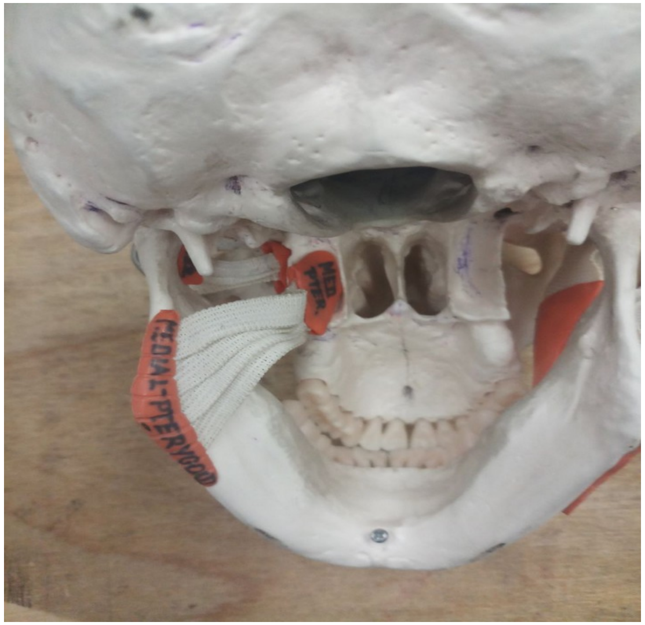

Done by :
Group CA9/ batch 37
occipital part of the occipto frontalis muscle

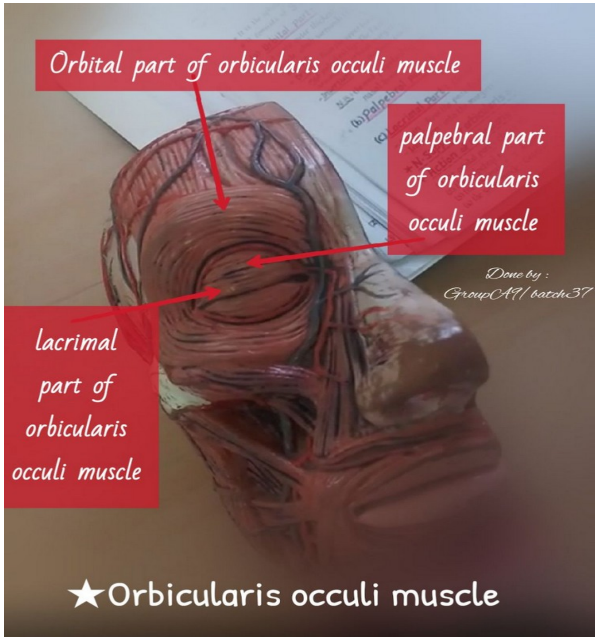

corrugator supercili muscle
temporarlis muscle
Done by :
Group CA9/ bach 37

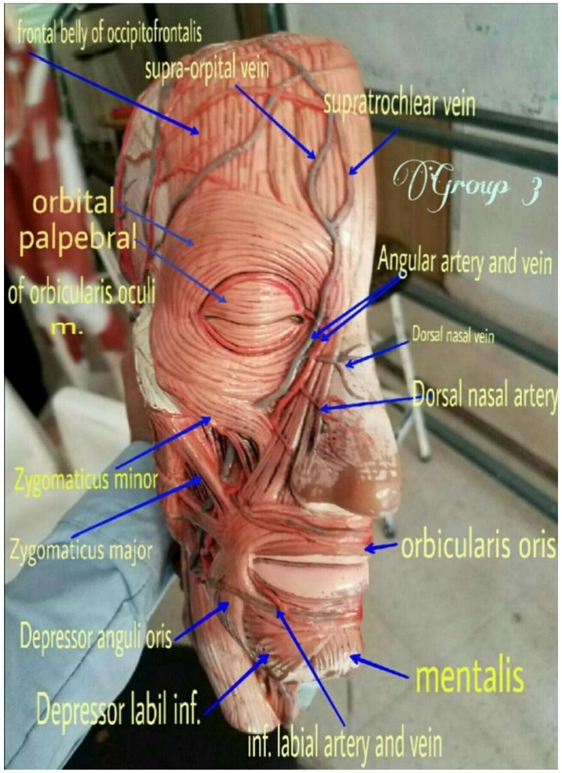

superior auricularis muscle
posterior auricularis muscle
anterior auricularis muscle

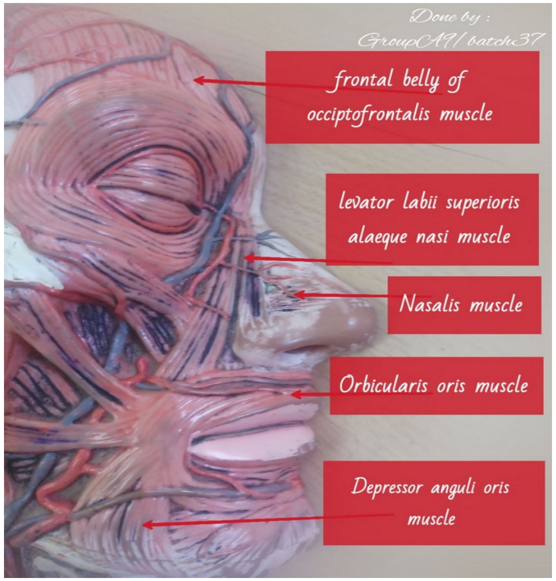
Done by :
Group A9/ batch 37

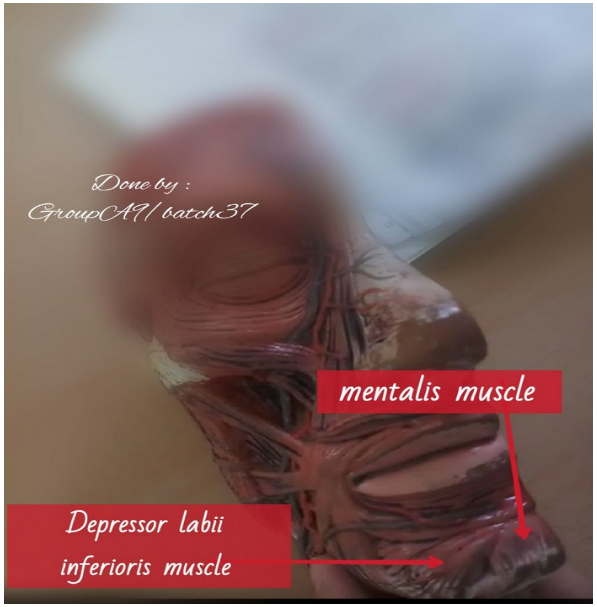

TEMPORALIS
MASSETER
MASSETER

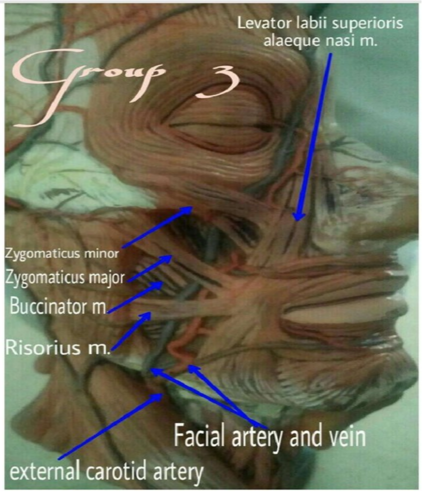

MED. PTER.
MEDIAL-PTERYGOID

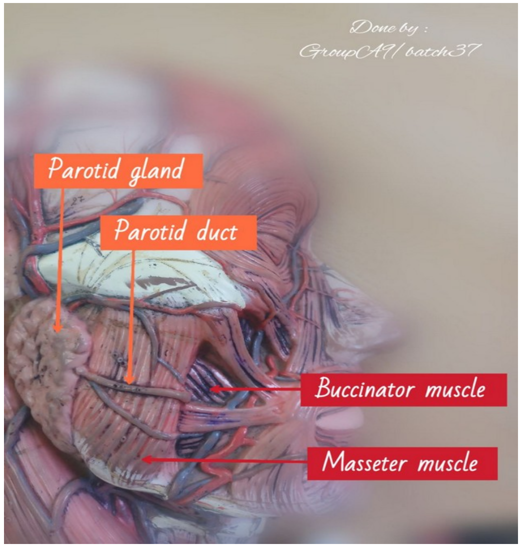

Orbital part of orbicularis occuli muscle
palpebral part of orbicularis occuli muscle
Done by : GroupA9/ batch37
lacrimal part of orbicularis occuli muscle
★Orbicularis occuli muscle

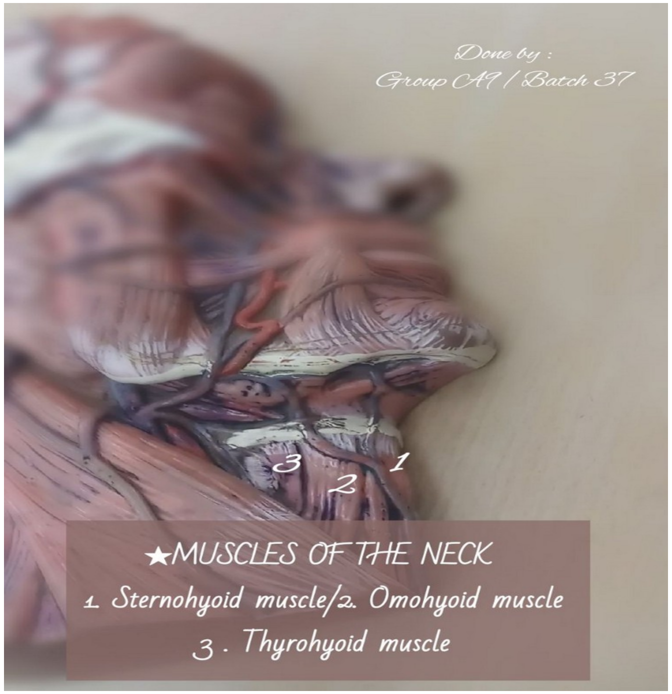

frontal belly of occipitofrontalis
supra-orpital vein
supratrochlear vein
Group 3
orbital
palpebral
of orbicularis oculi m.
Angular artery and vein
Dorsal nasal vein
Dorsal nasal artery
Zygomaticus minor
Zygomaticus major
orbicularis oris
Depressor anguli oris
mentalis
Depressor labil inf.
inf. labial artery and vein

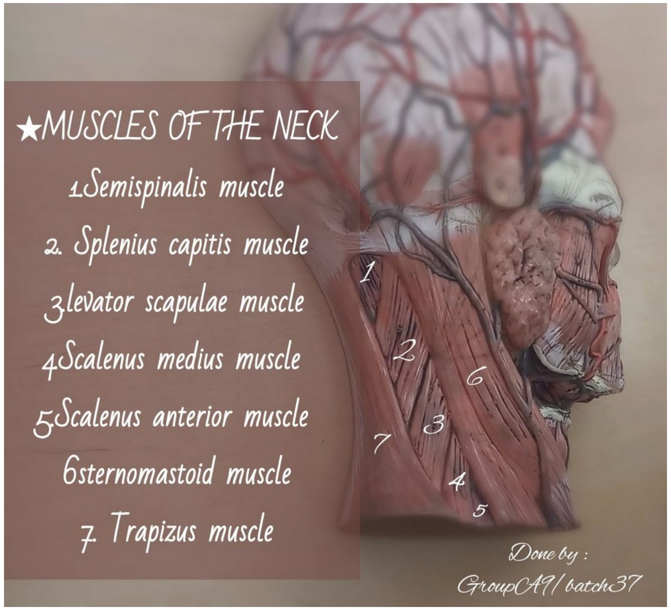

Done by : GroupA9/ batch37
frontal belly of occiptofrontalis muscle
levator labii superioris alaeque nasi muscle
Nasalis muscle
Orbicularis oris muscle
Depressor anguli oris muscle

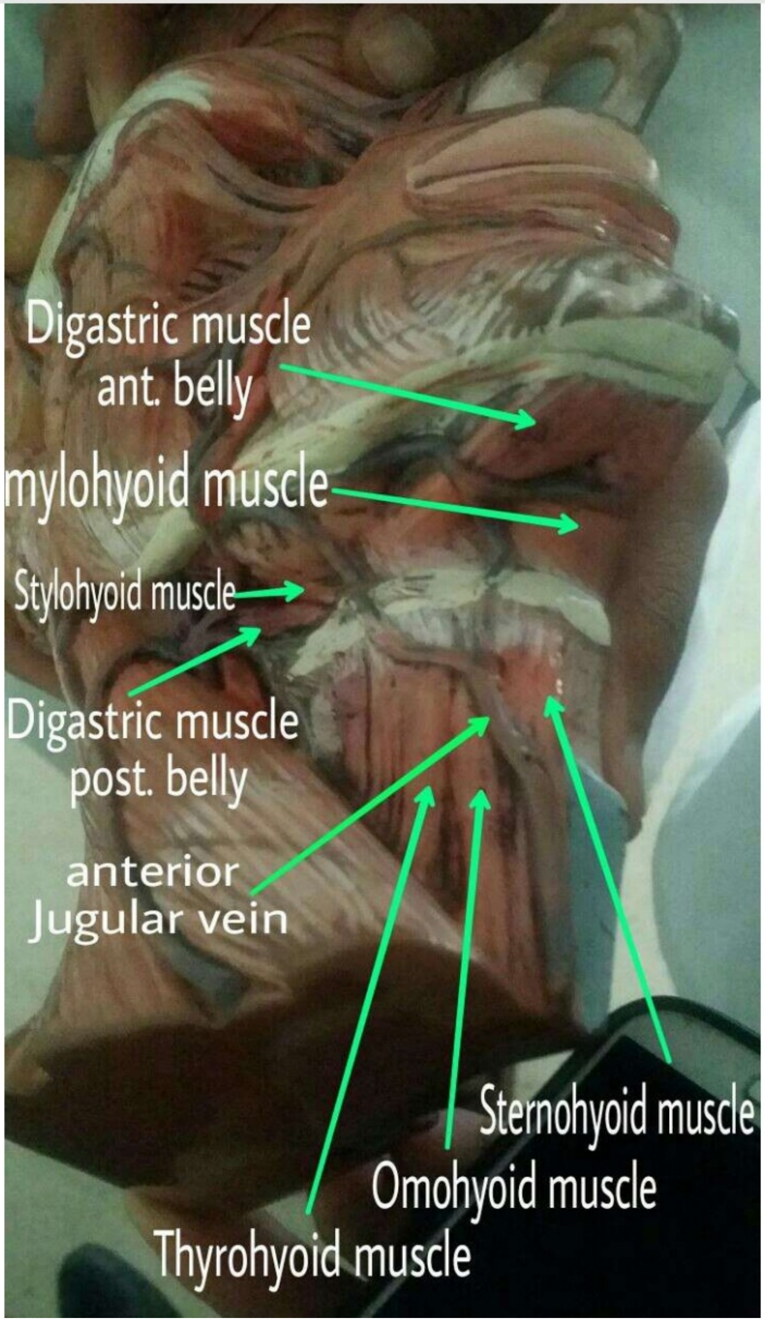

Done by : GroupA9/ batch37
mentalis muscle
Depressor labii inferioris muscle

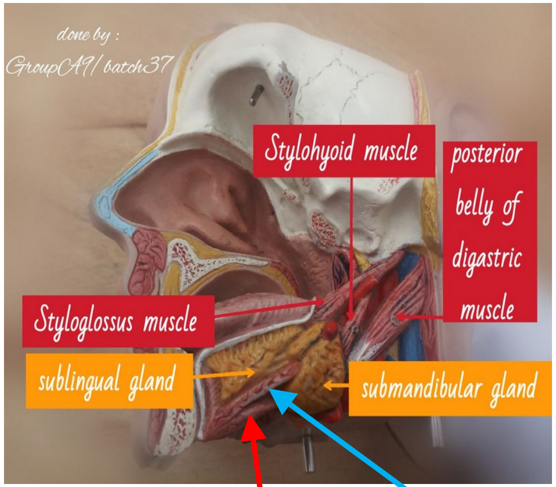

Group 3
Levator labii superioris alaeque nasi m.
Zygomaticus minor
Zygomaticus major
Buccinator m
Risorius m.
Facial artery and vein
external carotid artery


Done by : GroupA9/ batch37
Parotid gland
Parotid duct
Buccinator muscle
Masseter muscle


Done by :
Group A9 / Batch 37
3
2
1
★MUSCLES OF THE NECK
1. Sternohyoid muscle/2. Omohyoid muscle
3 . Thyrohyoid muscle

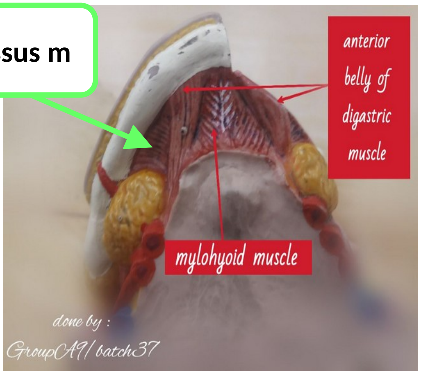

★MUSCLES OF THE NECK
1Semispinalis muscle
2. Splenius capitis muscle
3levator scapulae muscle
4Scalenus medius muscle
5Scalenus anterior muscle
6sternomastoid muscle
7. Trapizus muscle
1
2
6
7
3
4
5
Done by :
GroupA9/ batch37


Digastric muscle ant. belly
mylohyoid muscle
Stylohyoid muscle
Digastric muscle post. belly
anterior Jugular vein
Sternohyoid muscle
Omohyoid muscle
Thyrohyoid muscle

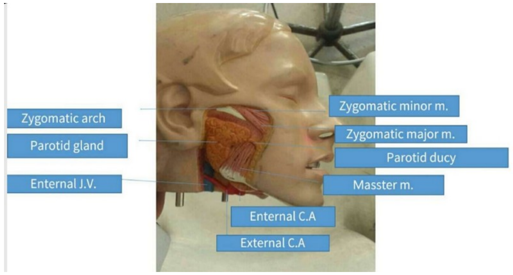

done by :
GroupA9/ batch37
Stylohyoid muscle
posterior belly of digastric muscle
Styloglossus muscle
sublingual gland
submandibular gland

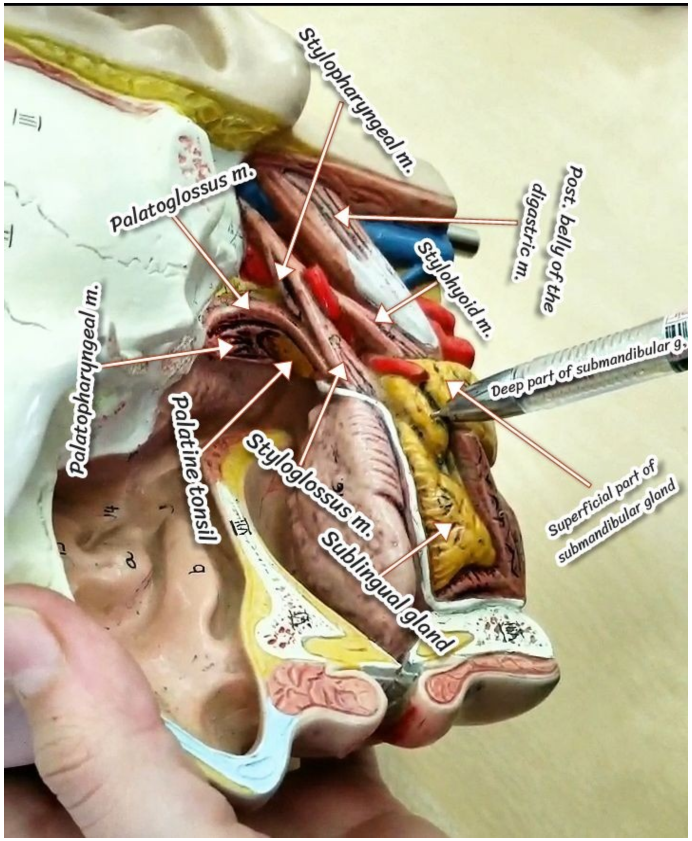
Hyoglossus m

Ant. belly of the digastric m


anterior belly of digastric muscle
mylohyoid muscle
done by :
GroupA9/ batch37

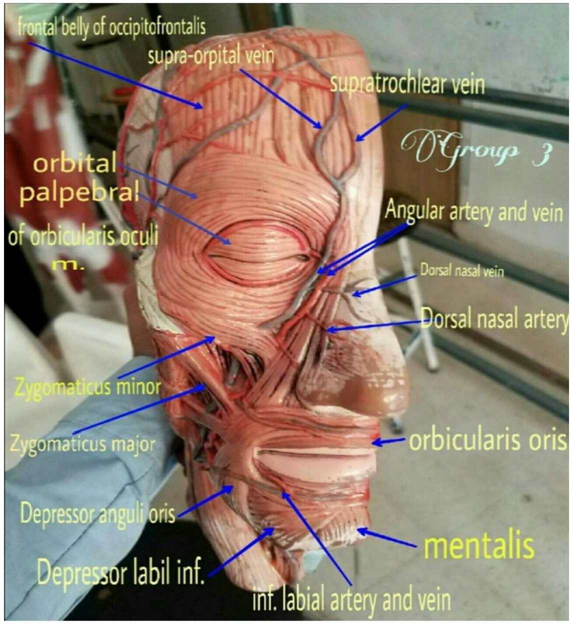
Hyoglossus m

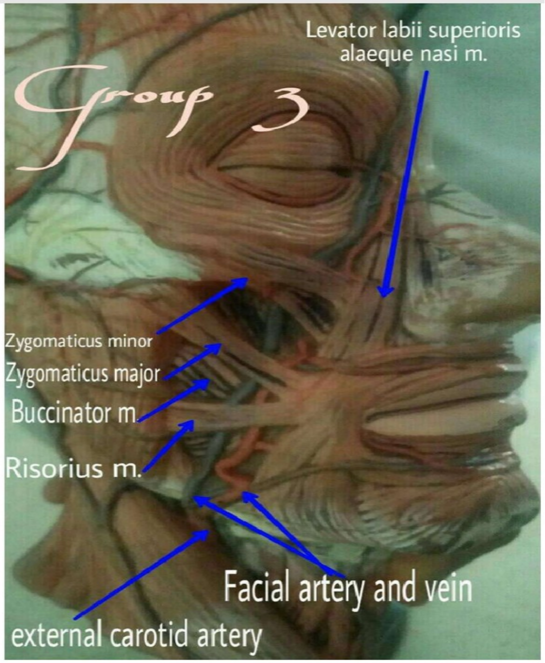

Zygomatic arch
Parotid gland
Enternal J.V.
Zygomatic minor m.
Zygomatic major m.
Parotid ducy
Masster m.
Enternal C.A
External C.A

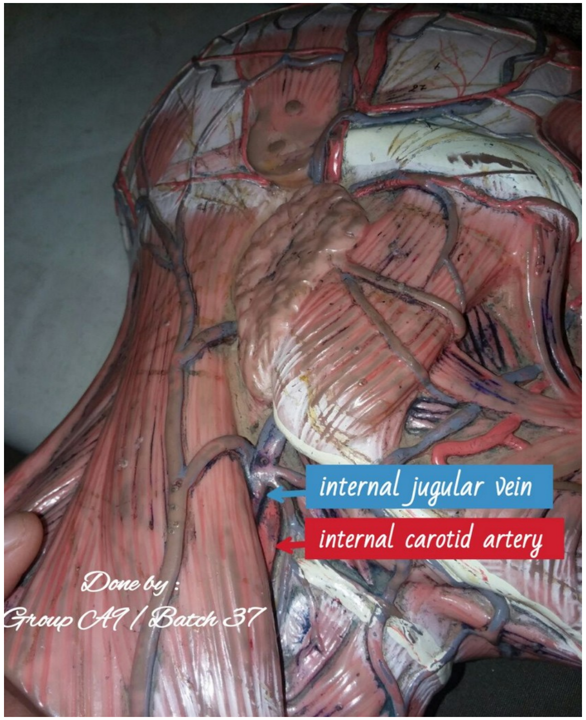

Stylopharyngeal m.
Palatoglossus m.
Post. belly of the digastric m.
Stylohyoid m.
Deep part of submandibular g.
Palatopharyngeal m.
Palatine tonsil
Styloglossus m.
Sublingual gland
Superficial part of submandibular gland

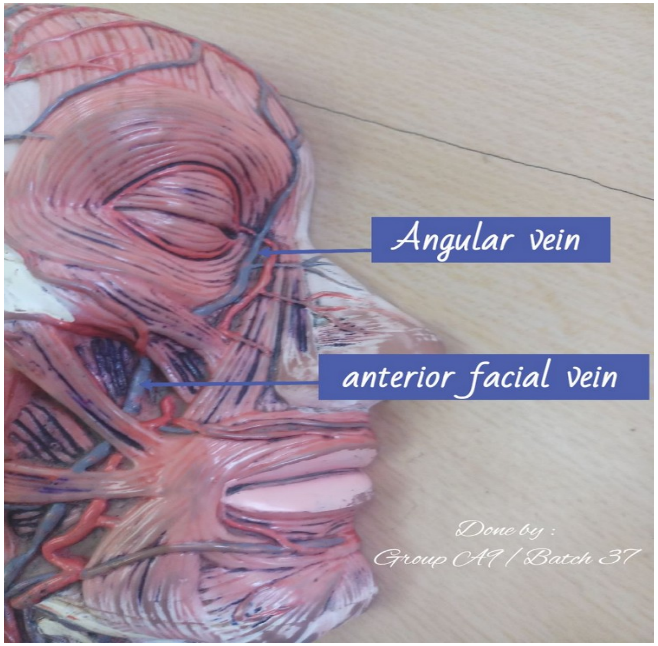
VESSELS & SINUSES OF THE H & N

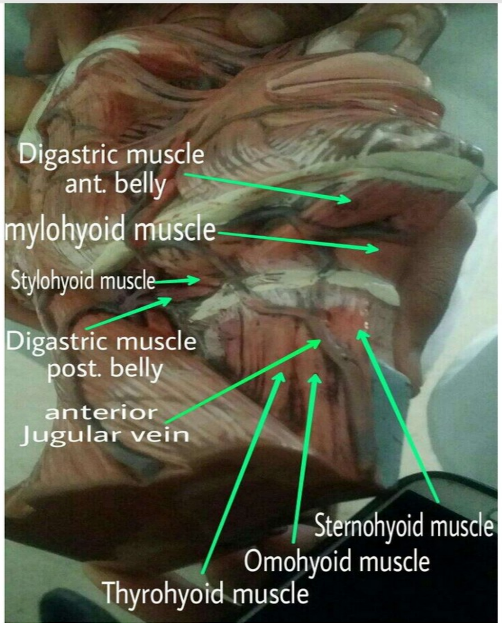
ANATOMY LAB

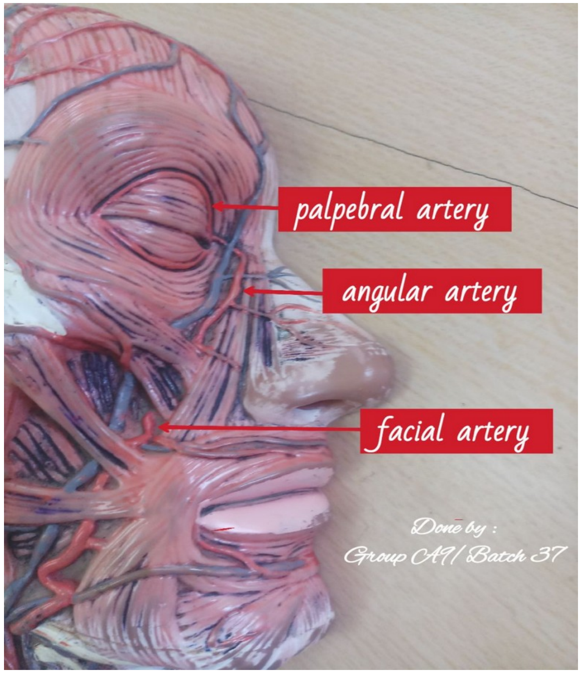

frontal belly of occipitofrontalis
supra-orpital vein
supratrochlear vein
Group 3
orbital
palpebral
of orbicularis oculi m.
Angular artery and vein
Dorsal nasal vein
Dorsal nasal artery
Zygomaticus minor
Zygomaticus major
orbicularis oris
Depressor anguli oris
mentalis
Depressor labil inf.
inf. labial artery and vein

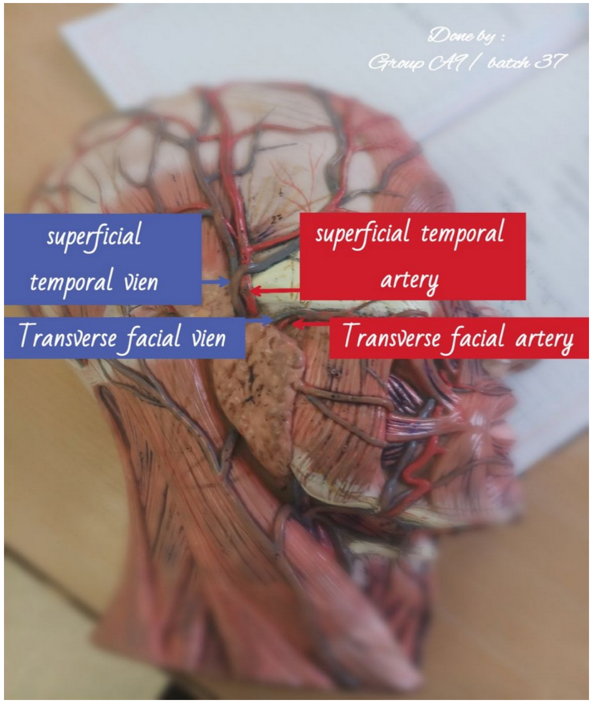

Levator labii superioris alaeque nasi m.
Group 3
Zygomaticus minor
Zygomaticus major
Buccinator m
Risorius m.
Facial artery and vein
external carotid artery

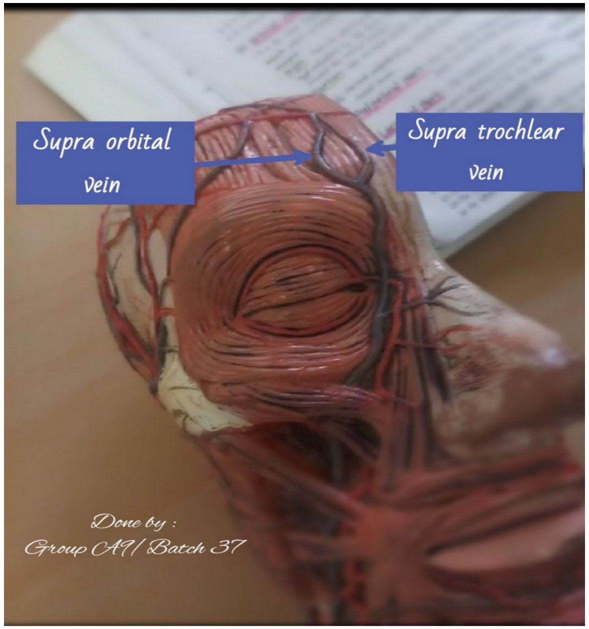

internal jugular vein
internal carotid artery
Done by :
Group CA9 / Batch 37

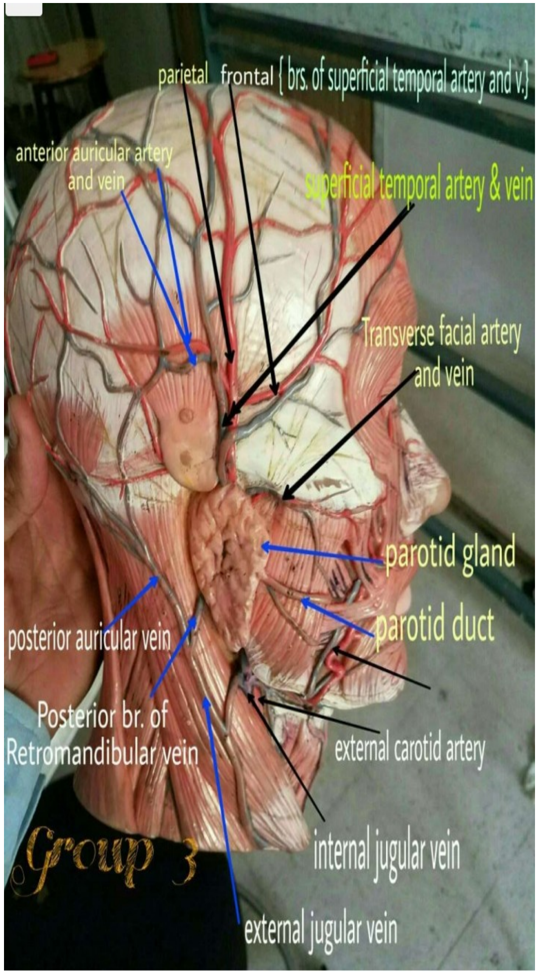

Angular vein
anterior facial vein
Done by :
Group CA9 / Batch 37

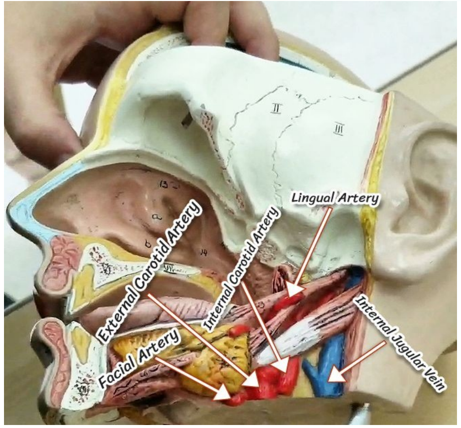

Digastric muscle ant. belly
mylohyoid muscle
Stylohyoid muscle
Digastric muscle post. belly
anterior Jugular vein
Sternohyoid muscle
Omohyoid muscle
Thyrohyoid muscle

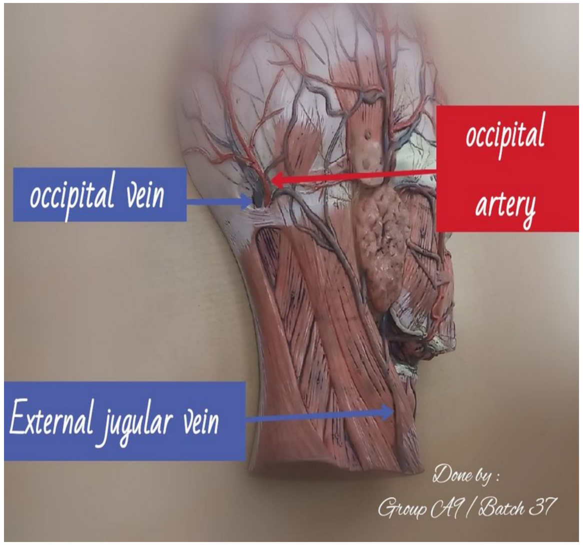

palpebral artery
angular artery
facial artery
Done by :
Group CA9 / Batch 37

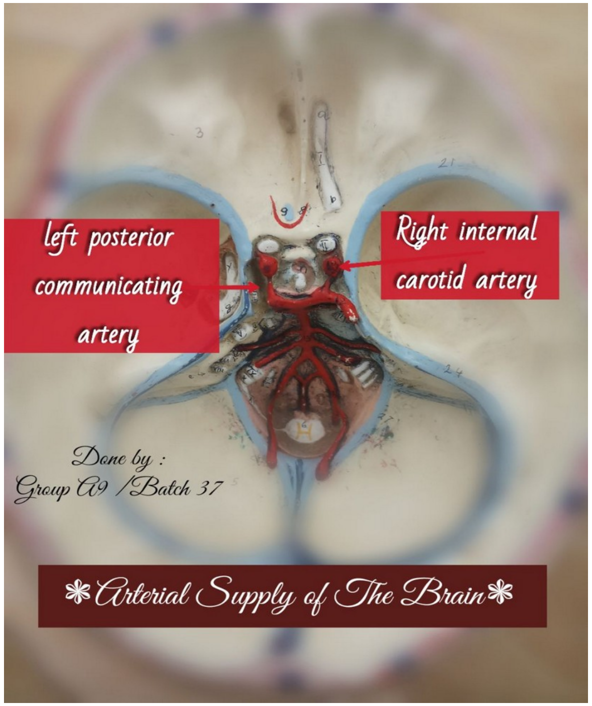

Done by :
Group A9 / batch 37
superficial temporal vien
superficial temporal artery
Transverse facial vien
Transverse facial artery


Supra orbital vein
Supra trochlear vein
Done by :
Group A9 / Batch 37


parietal
frontal { brs. of superficial temporal artery and v.}
anterior auricular artery and vein
superficial temporal artery & vein
Transverse facial artery and vein
parotid gland
parotid duct
posterior auricular vein
Posterior br. of Retromandibular vein
external carotid artery
internal jugular vein
external jugular vein
Group 3

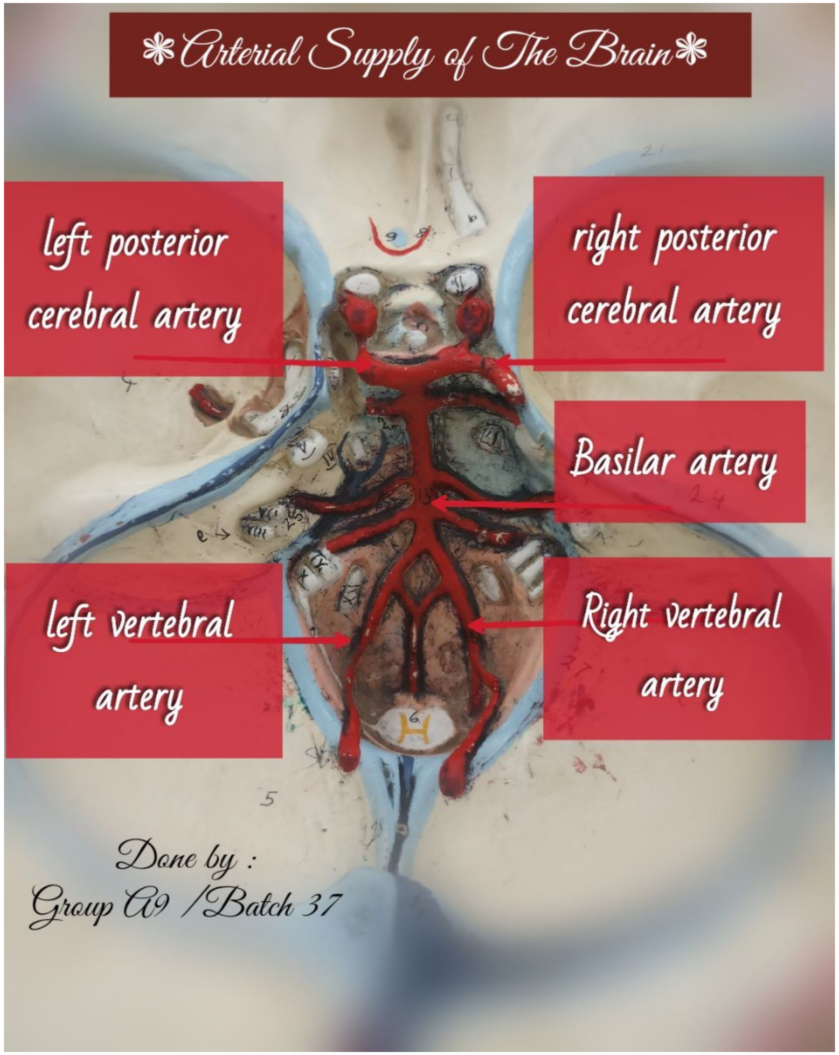

Lingual Artery
External Carotid Artery
Internal Carotid Artery
Facial Artery
Internal Jugular Vein


occipital vein
occipital artery
External jugular vein
Done by :
Group A9 / Batch 37


left posterior communicating artery
Right internal carotid artery
Done by :
Group A9 / Batch 37

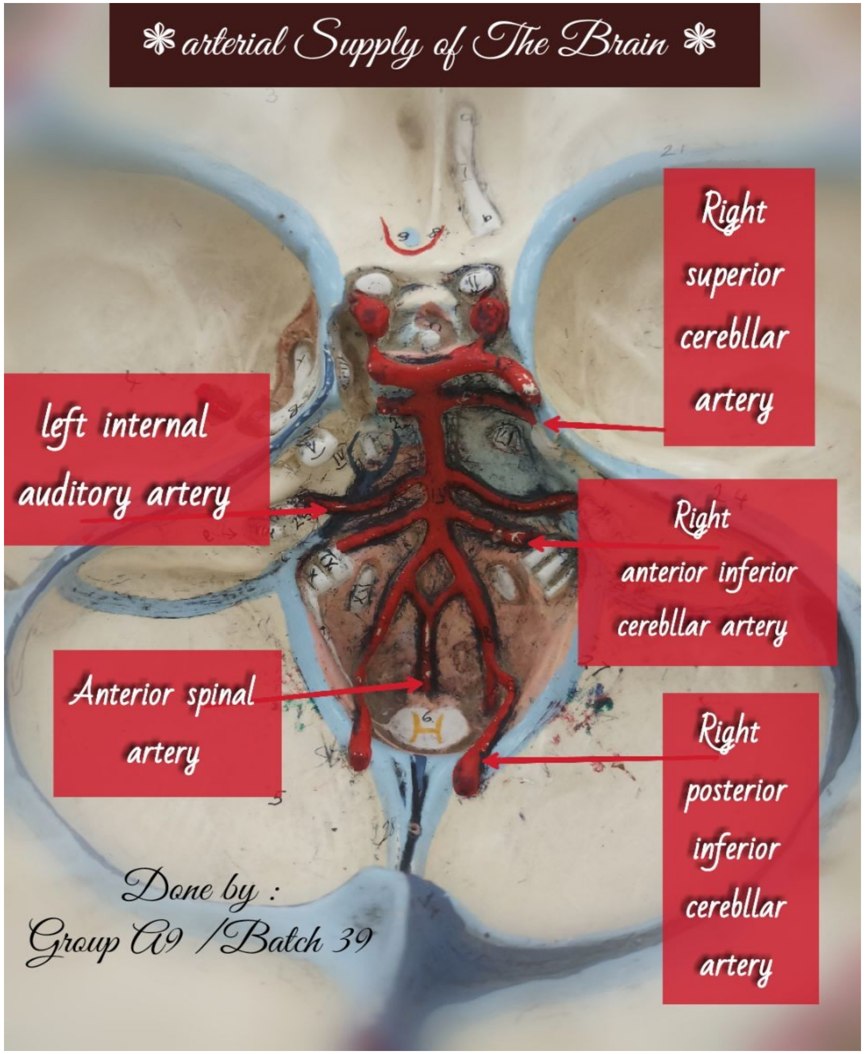
❋ Arterial Supply of The Brain ❋

❃ Arterial Supply of The Brain ❃

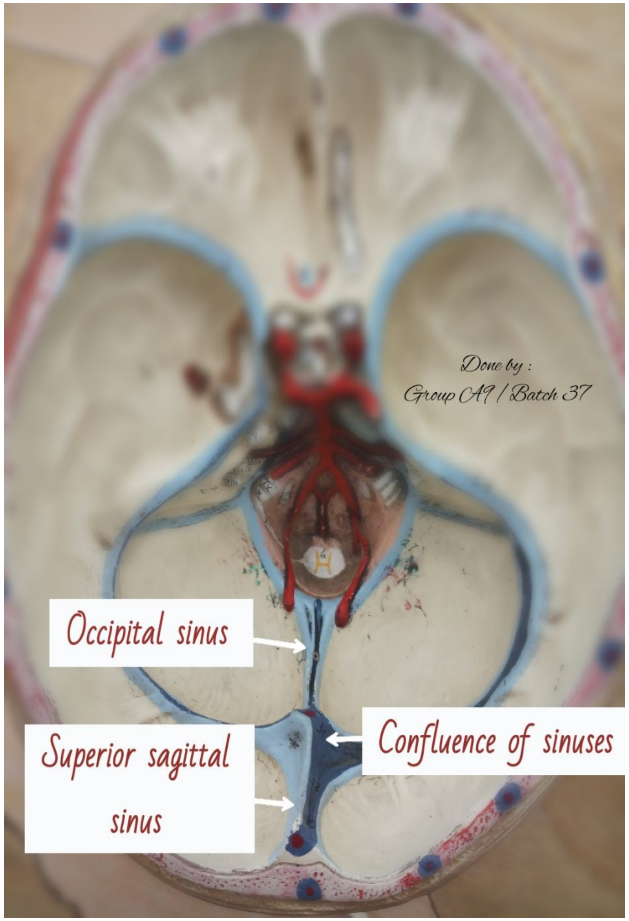

left posterior cerebral artery
right posterior cerebral artery
Basilar artery
left vertebral artery
Right vertebral artery

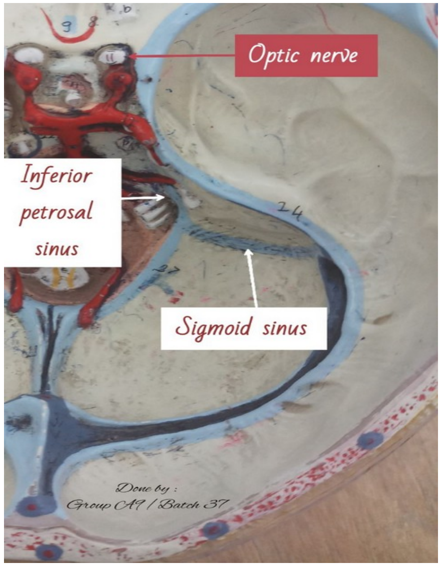
Done by :
Group A9 /Batch 37

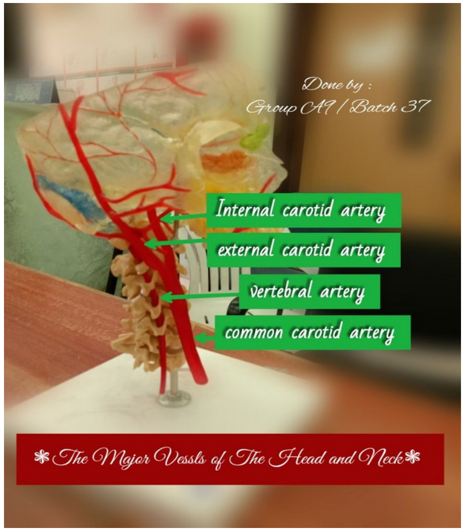
❃ arterial Supply of The Brain ❃


Right superior cerebllar artery
left internal auditory artery
Right anterior inferior cerebllar artery
Anterior spinal artery
Right posterior inferior cerebllar artery

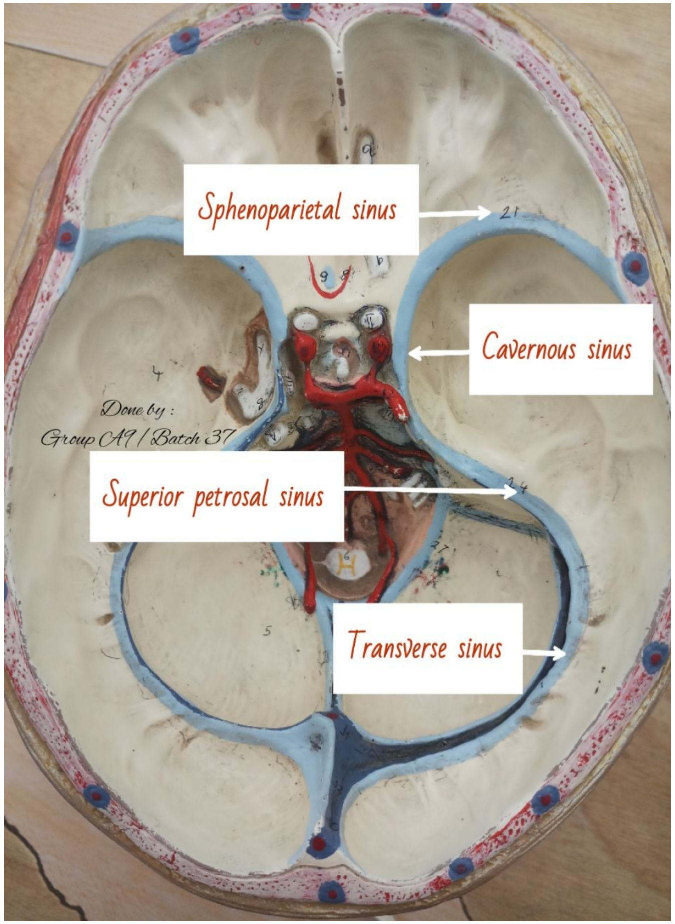
Done by :
Group A9 /Batch 39


Done by :
Group A9 / Batch 37
Occipital sinus
Superior sagittal sinus
Confluence of sinuses


Optic nerve
Inferior petrosal sinus
Sigmoid sinus
Done by :
Group A9 / Batch 37

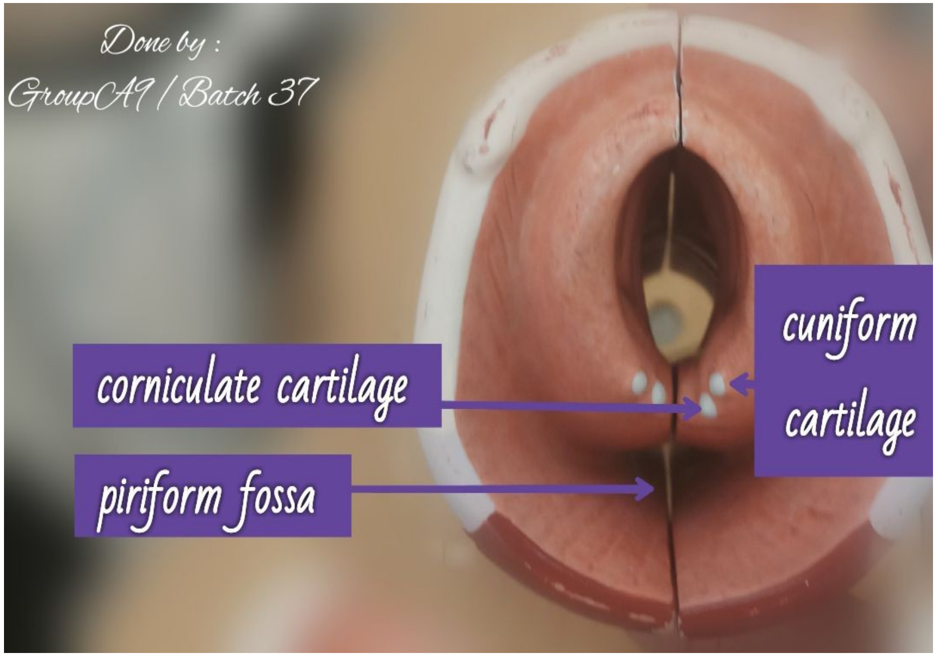

Done by :
Group A9 / Batch 37
Internal carotid artery
external carotid artery
vertebral artery
common carotid artery

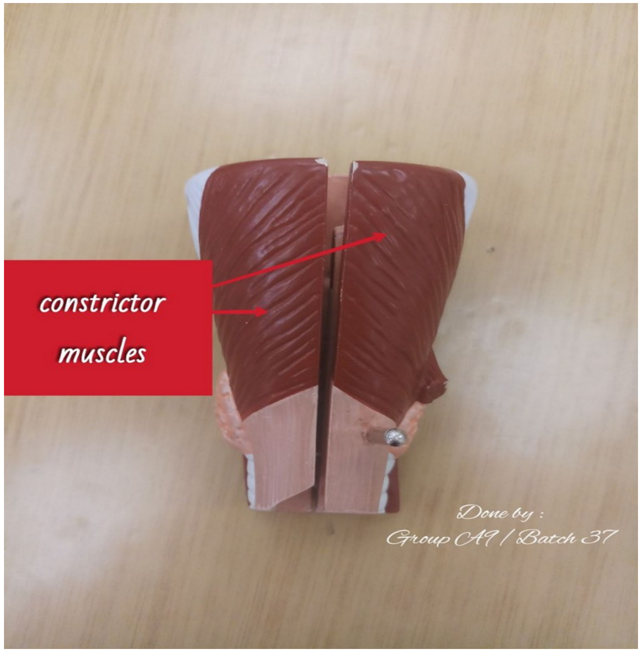
❃ The Major Vessls of The Head and Neck ❃

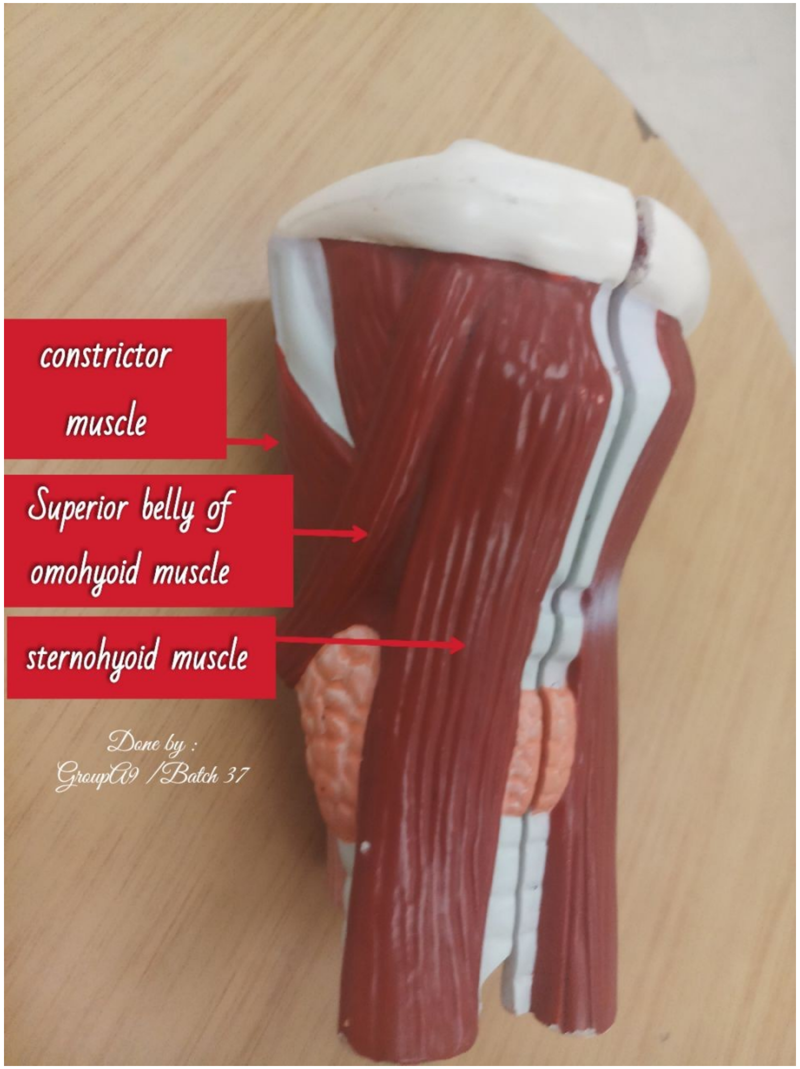

Sphenoparietal sinus
Cavernous sinus
Done by :
Group A9 / Batch 37
Superior petrosal sinus
Transverse sinus

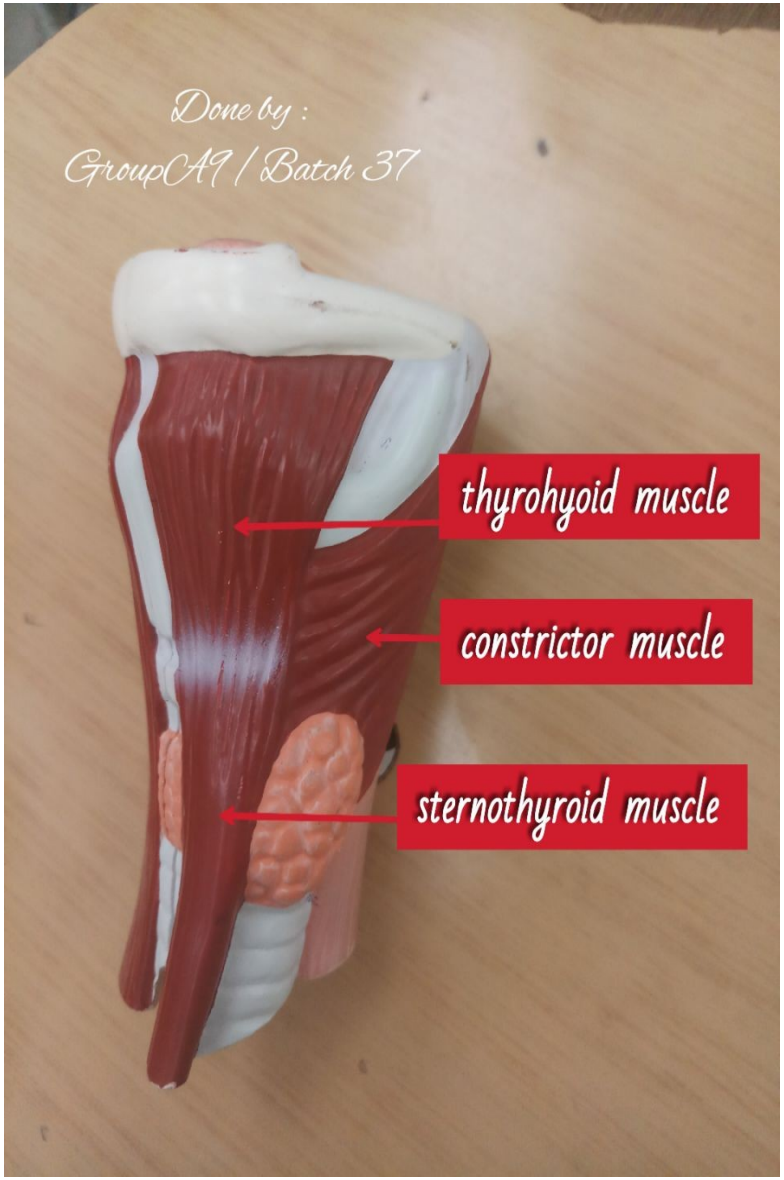
LARYNX

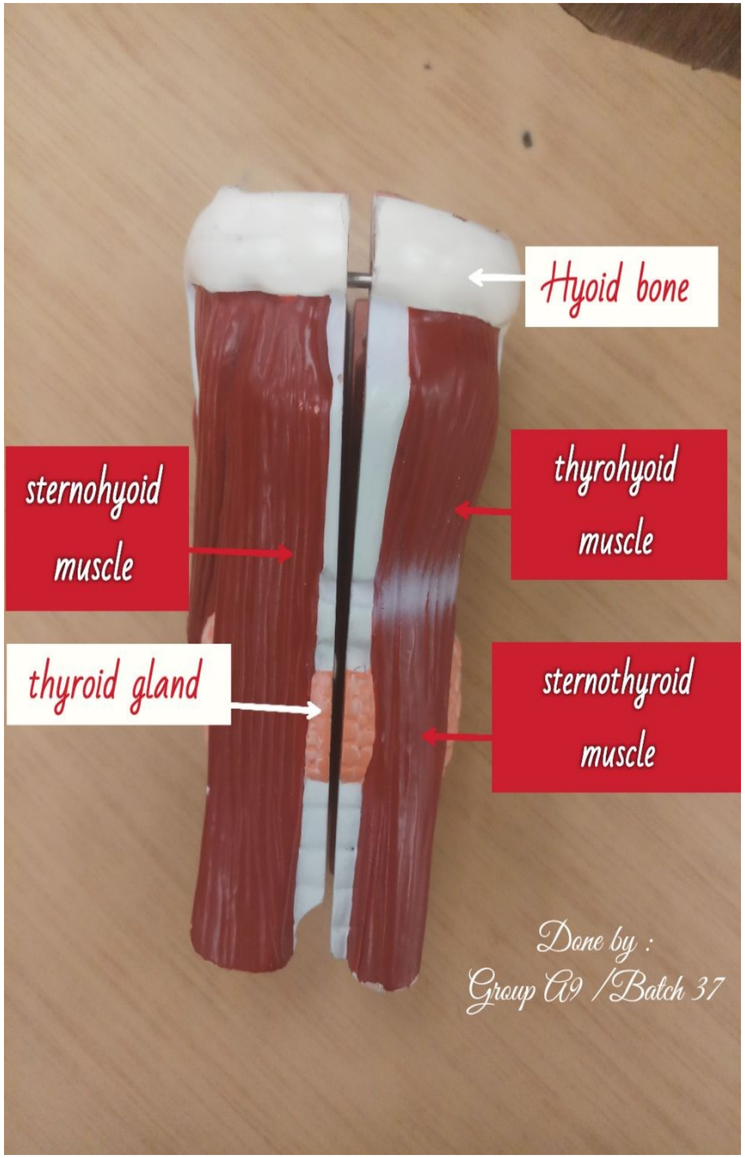
ANATOMY LAB

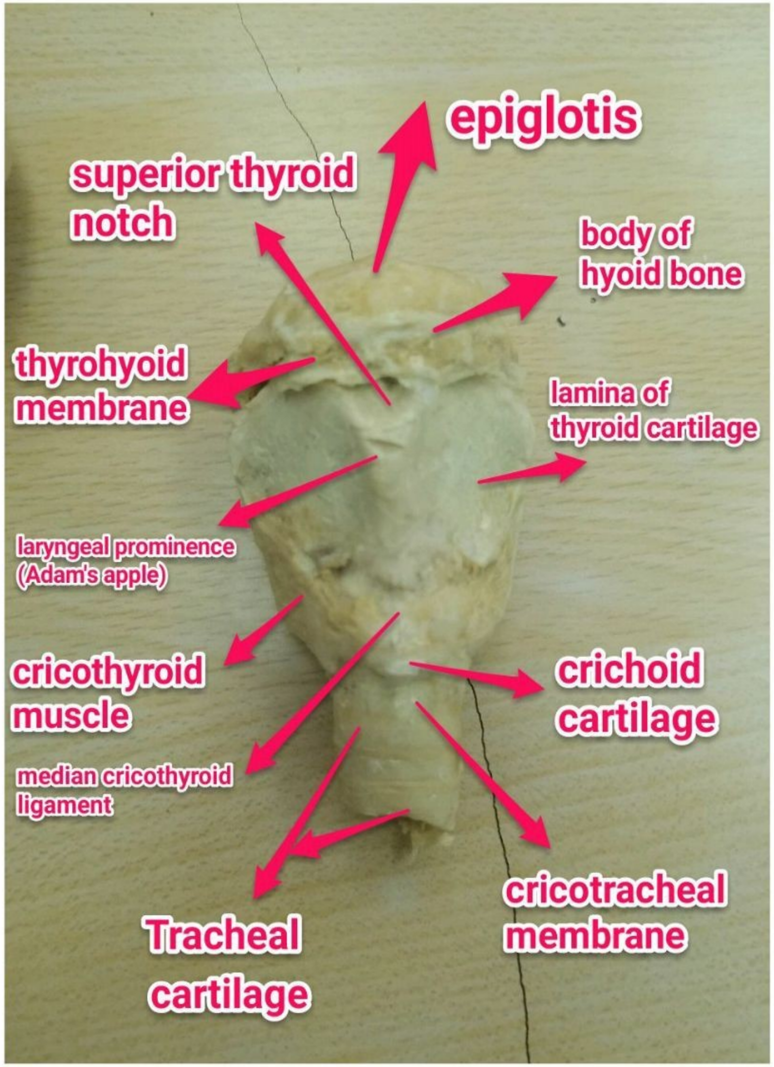

Done by :
GroupA9 / Batch 37
corniculate cartilage
piriform fossa
cuniform cartilage

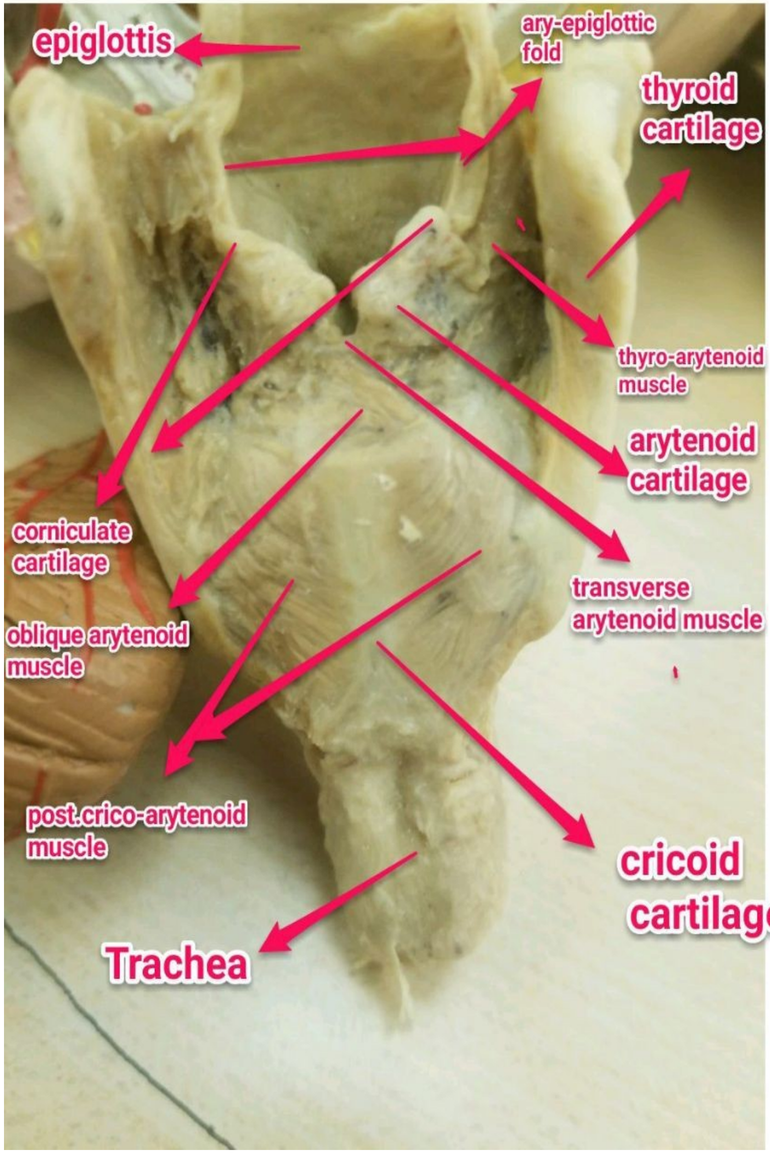

constrictor muscles
Done by :
Group A9 / Batch 37


constrictor muscle
Superior belly of omohyoid muscle
sternohyoid muscle
Done by :
GroupA9 / Batch 37


Done by :
GroupA9 / Batch 37
thyrohyoid muscle
constrictor muscle
sternothyroid muscle

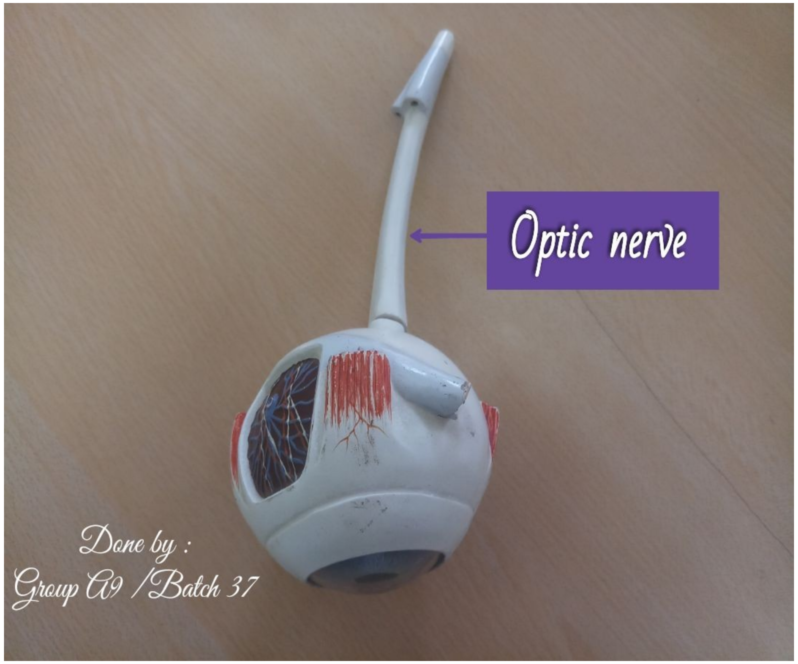

Hyoid bone
sternohyoid muscle
thyrohyoid muscle
thyroid gland
sternothyroid muscle
Done by :
Group A9 /Batch 37

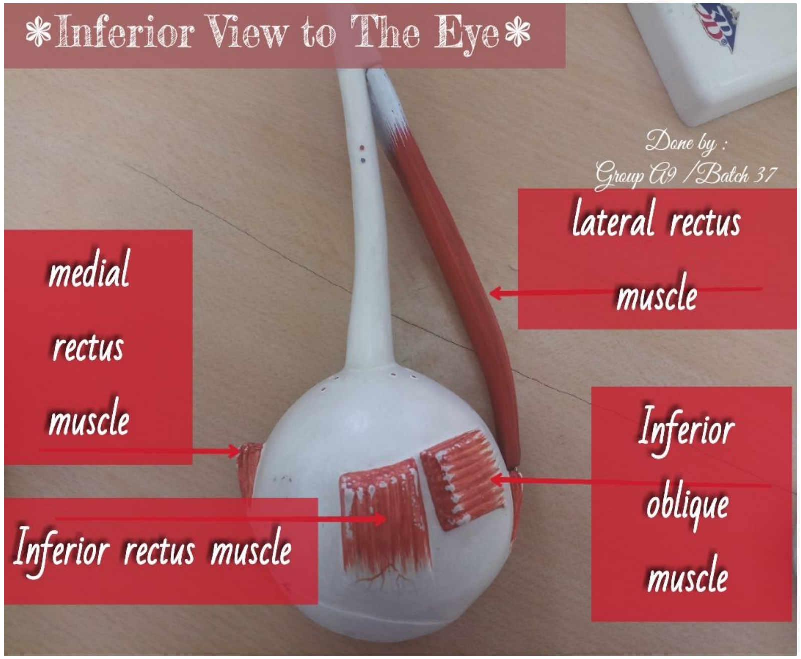

epiglotis
superior thyroid notch
body of hyoid bone
thyrohyoid membrane
lamina of thyroid cartilage
laryngeal prominence (Adam's apple)
cricothyroid muscle
crichoid cartilage
median cricothyroid ligament
cricotracheal membrane
Tracheal cartilage

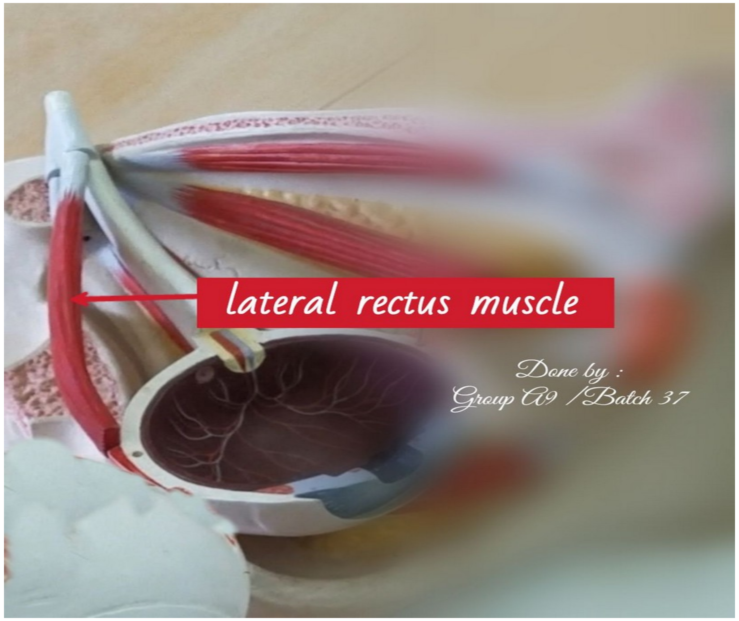

epiglottis
ary-epiglottic fold
thyroid cartilage
thyro-arytenoid muscle
arytenoid cartilage
corniculate cartilage
transverse arytenoid muscle
oblique arytenoid muscle
post.crico-arytenoid muscle
cricoid cartilage
Trachea

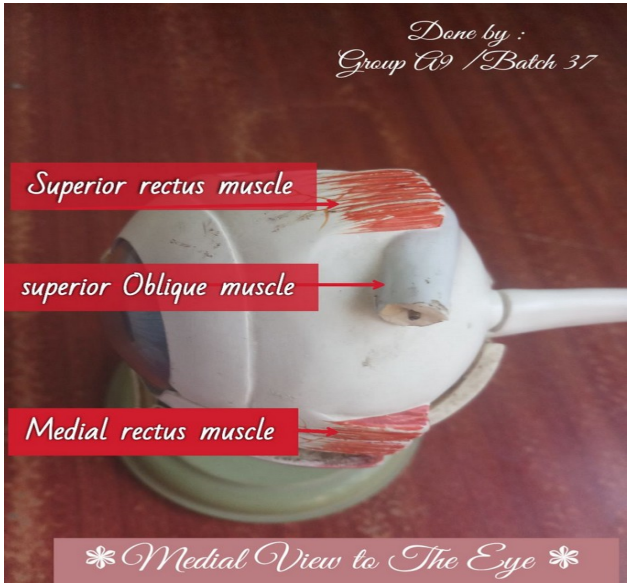
Eye Anatomy

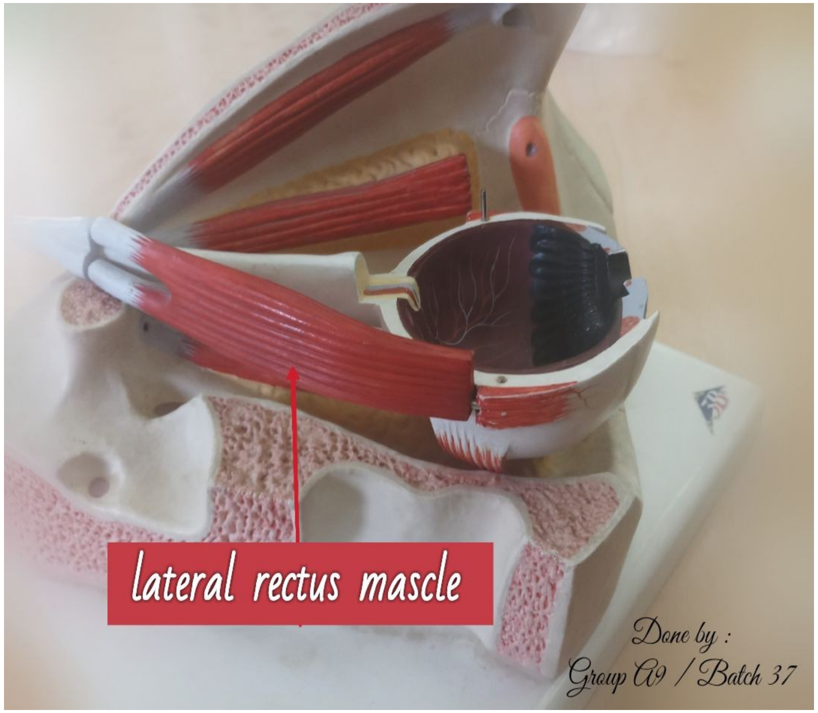
Anatomy lab

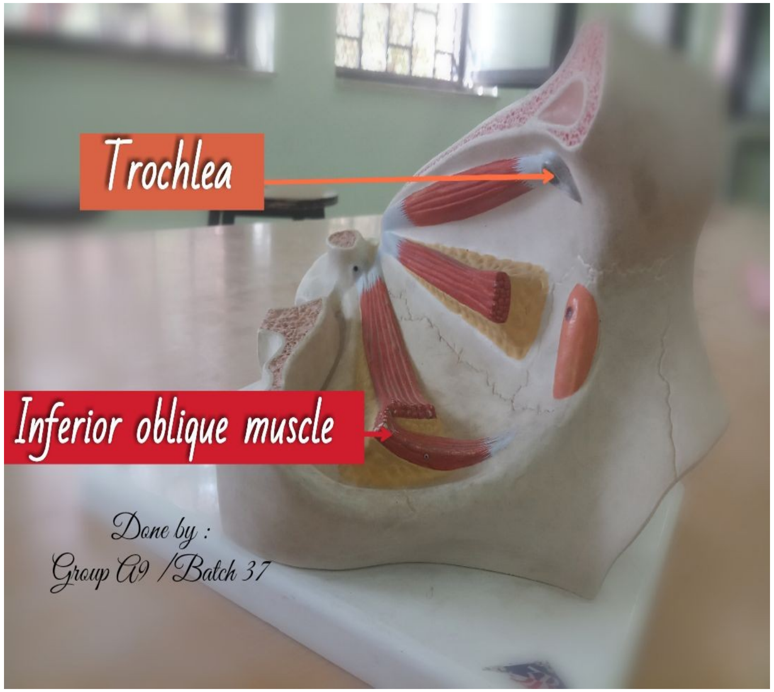

Optic nerve
Done by :
Group A9 /Batch 37

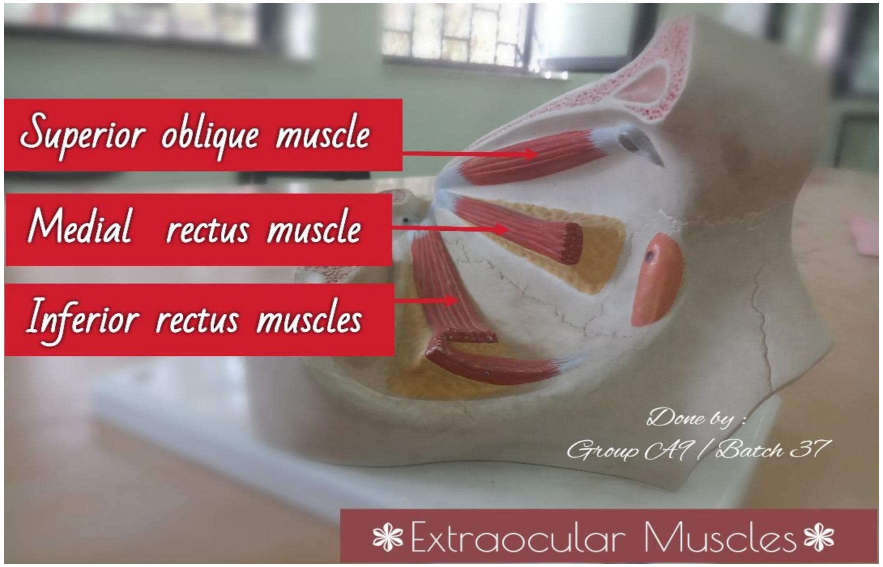

❋Inferior View to The Eye❋
Done by :
Group A9 /Batch 37
lateral rectus muscle
medial rectus muscle
Inferior oblique muscle
Inferior rectus muscle

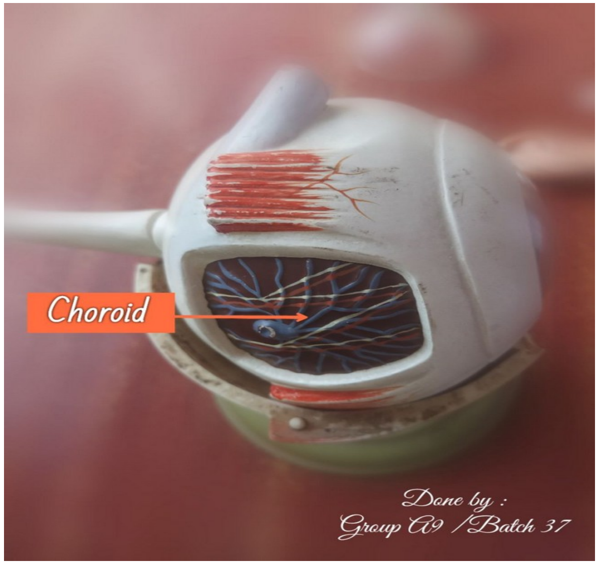

lateral rectus muscle
Done by :
Group A9 /Batch 37

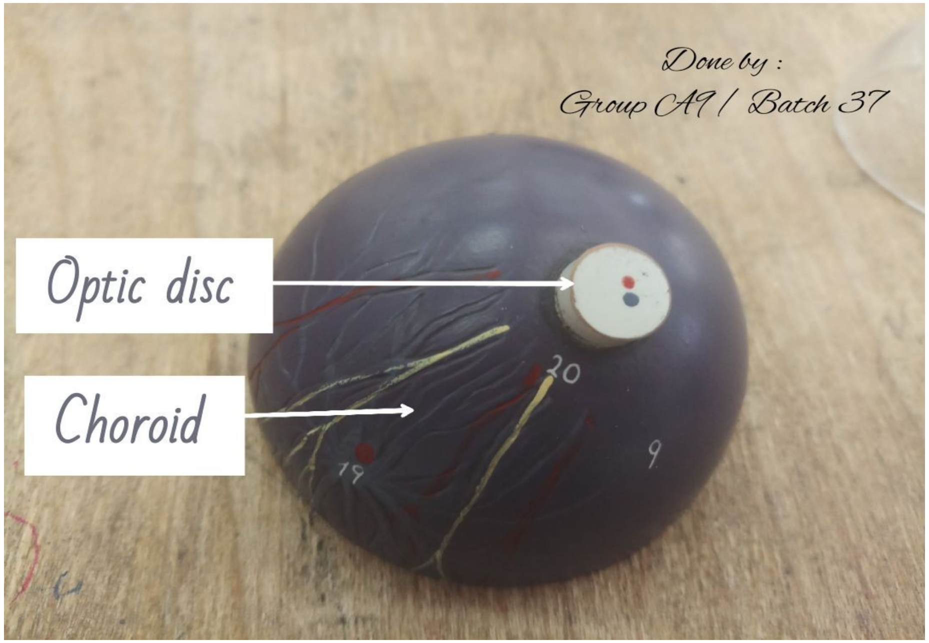

Done by :
Group A9 /Batch 37
Superior rectus muscle
superior Oblique muscle
Medial rectus muscle
❋ Medial View to The Eye ❋

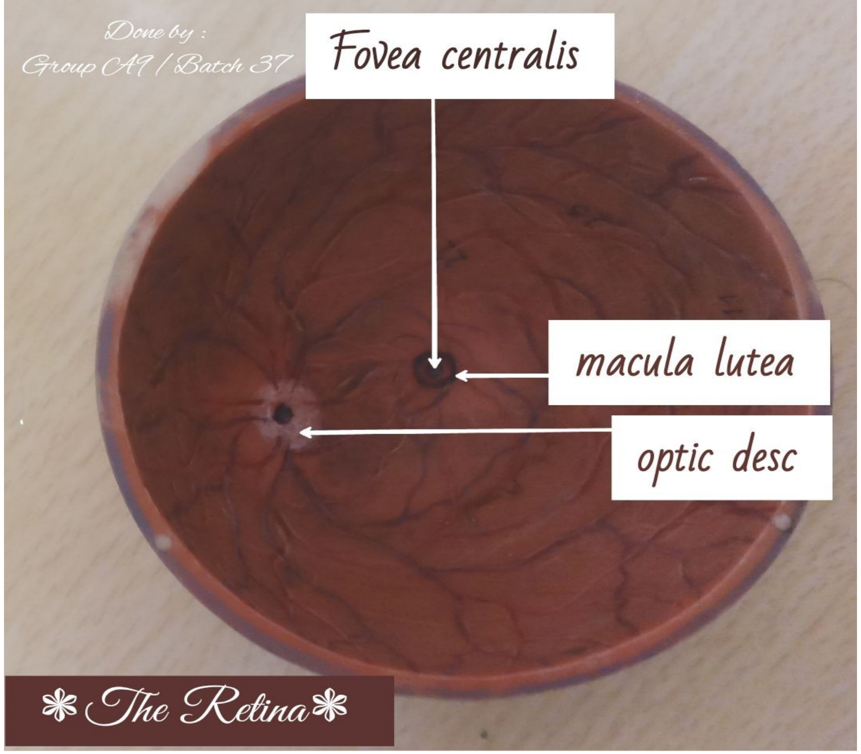

lateral rectus mascle
Done by :
Group A9 / Batch 37


Trochlea
Inferior oblique muscle
Done by :
Group A9 /Batch 37

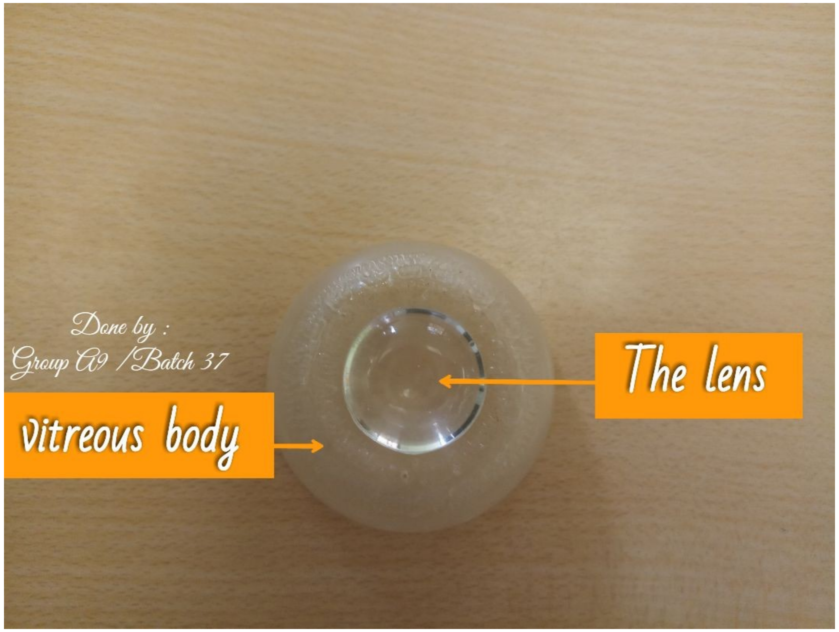

Superior oblique muscle
Medial rectus muscle
Inferior rectus muscles
Done by :
Group A9 / Batch 37
❀ Extraocular Muscles ❀

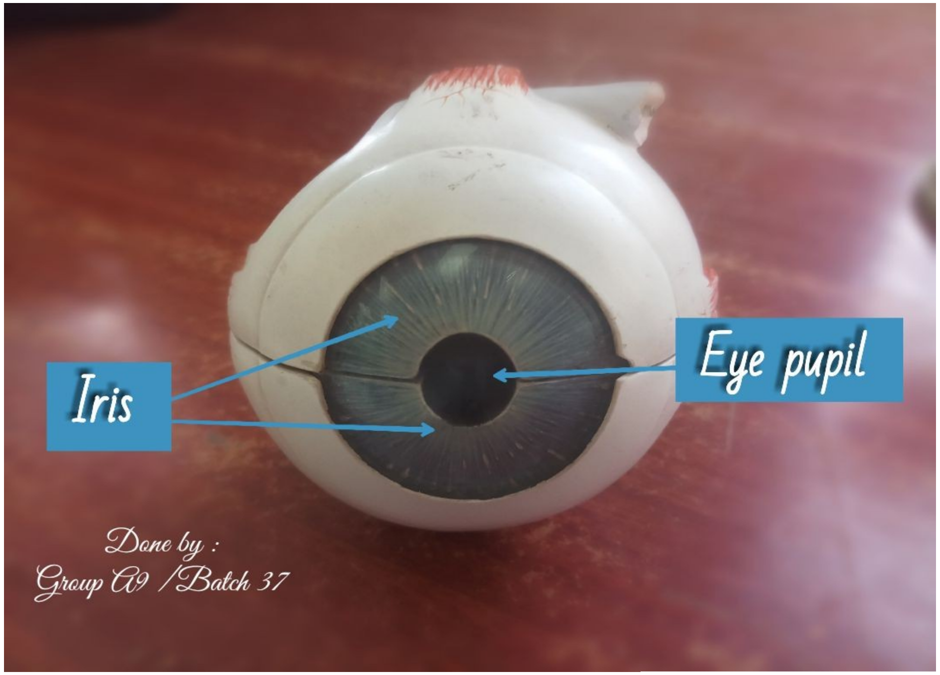

Choroid
Done by :
Group A9 /Batch 37

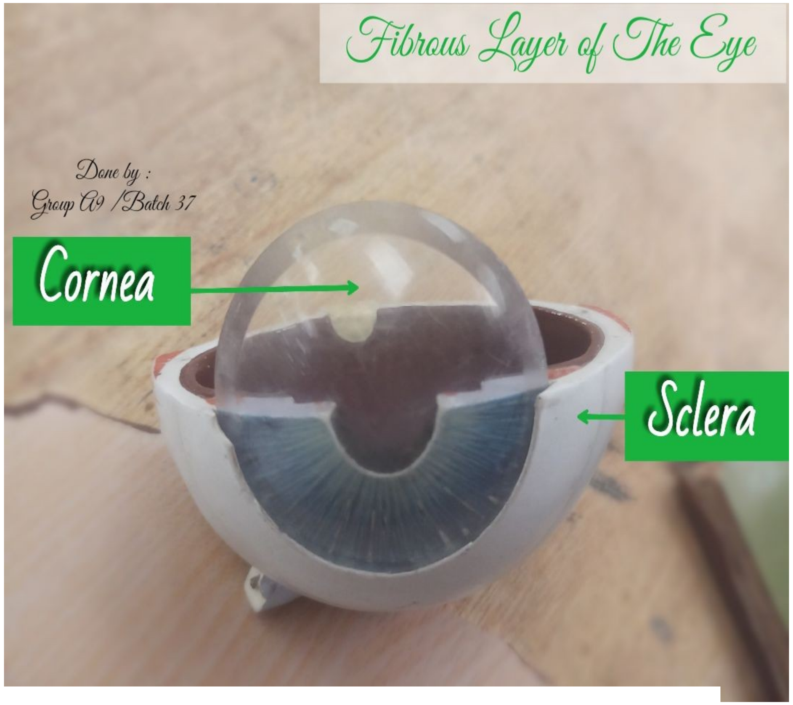

Done by :
Group A9 / Batch 37
Optic disc
Choroid
20
19
9

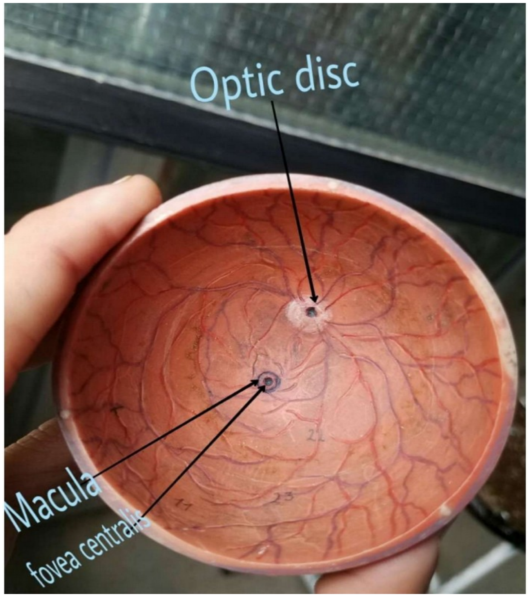

Done by :
Group A9 / Batch 37
Fovea centralis
macula lutea
optic desc
❃ The Retina ❃

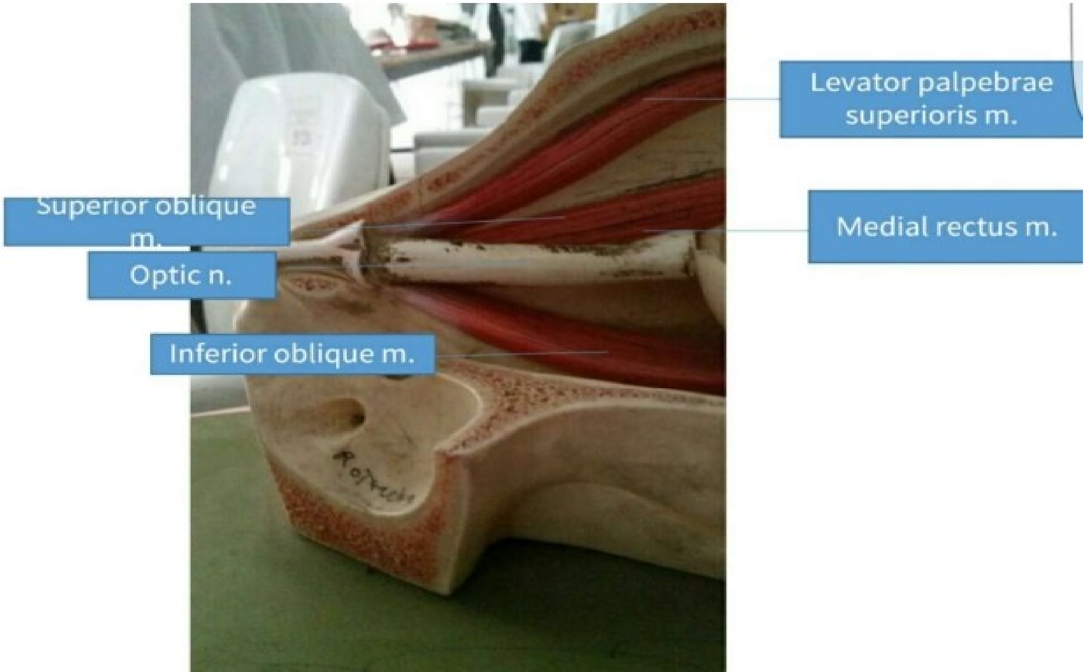
Done by :
Group A9 / Batch 37
Vitreous body

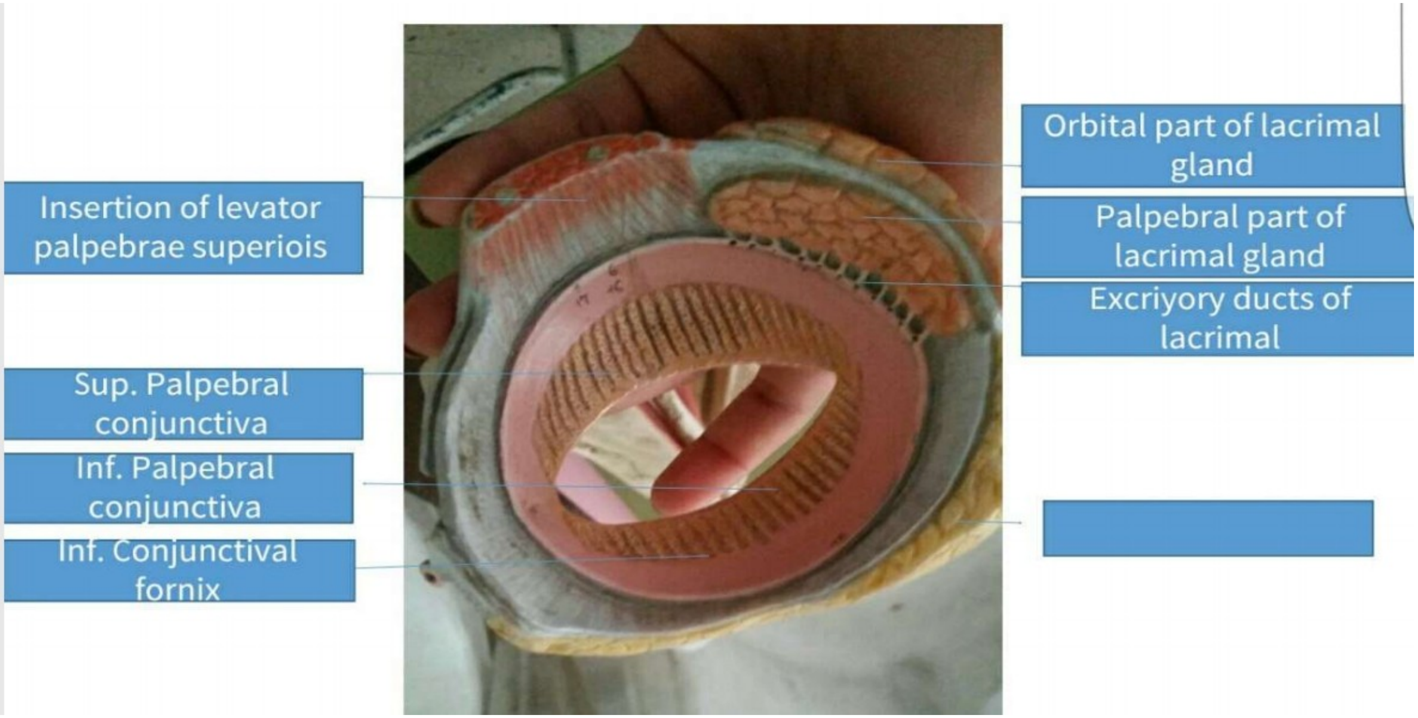

Done by :
Group A9 / Batch 37
The lens
vitreous body

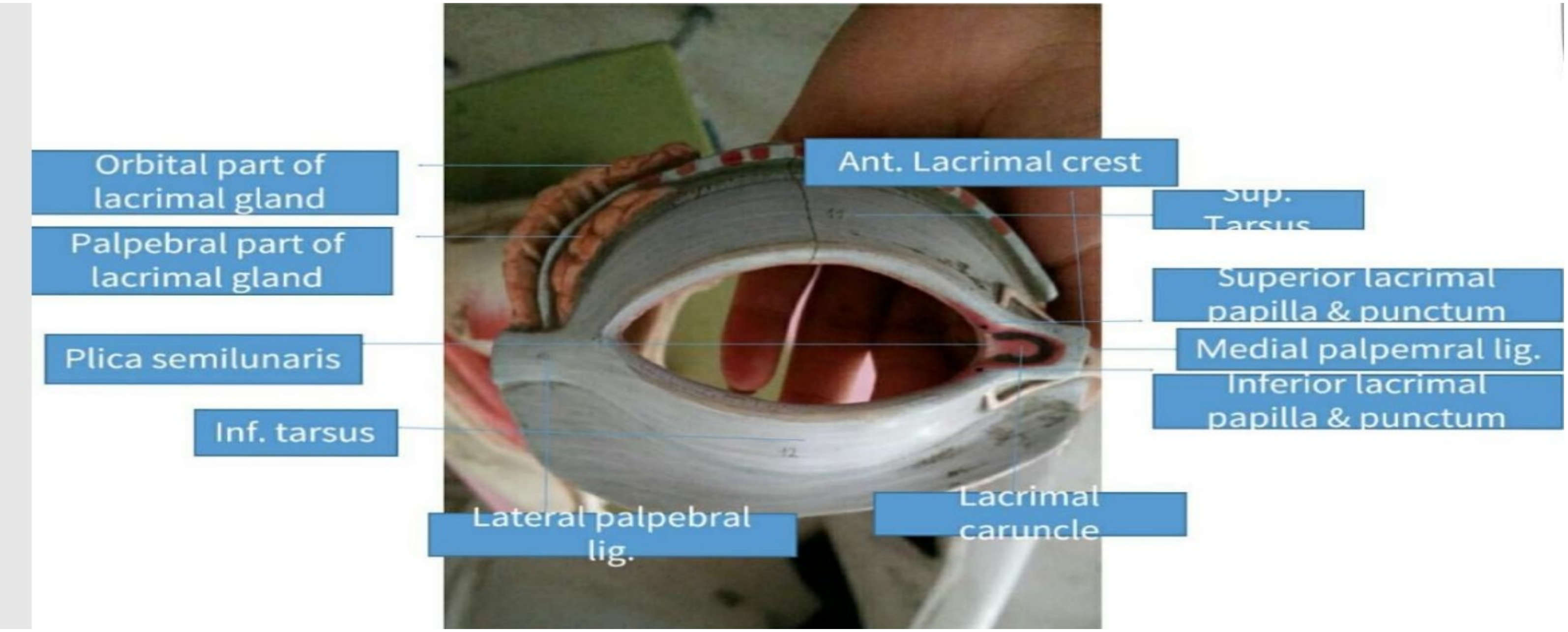

Iris
Eye pupil
Done by :
Group A9 / Batch 37

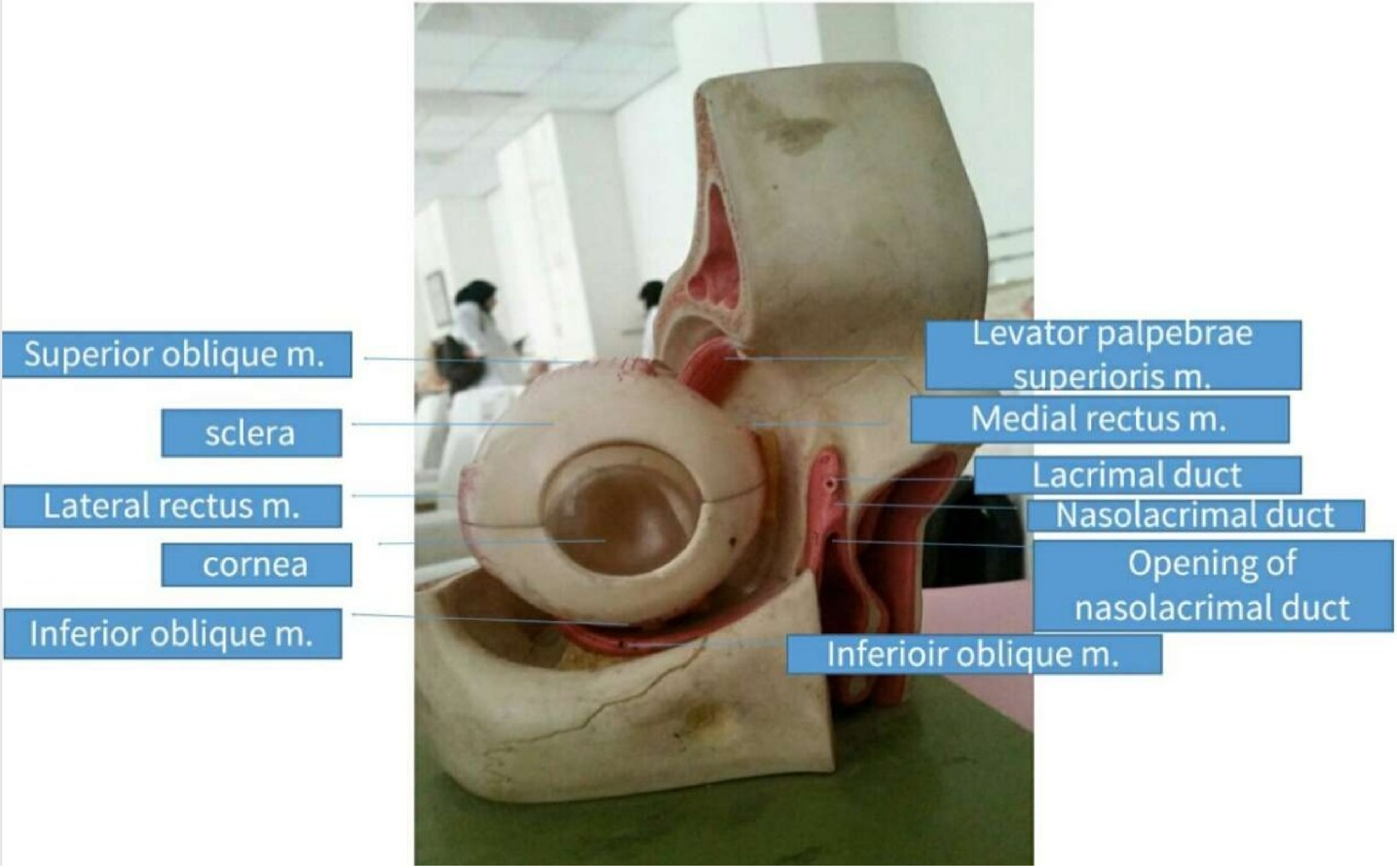

Fibrous Layer of The Eye
Done by :
Group A9 / Batch 37
Cornea
Sclera


Optic disc
Macula
fovea centralis


Levator palpebrae superioris m.
Superior oblique m.
Medial rectus m.
Optic n.
Inferior oblique m.

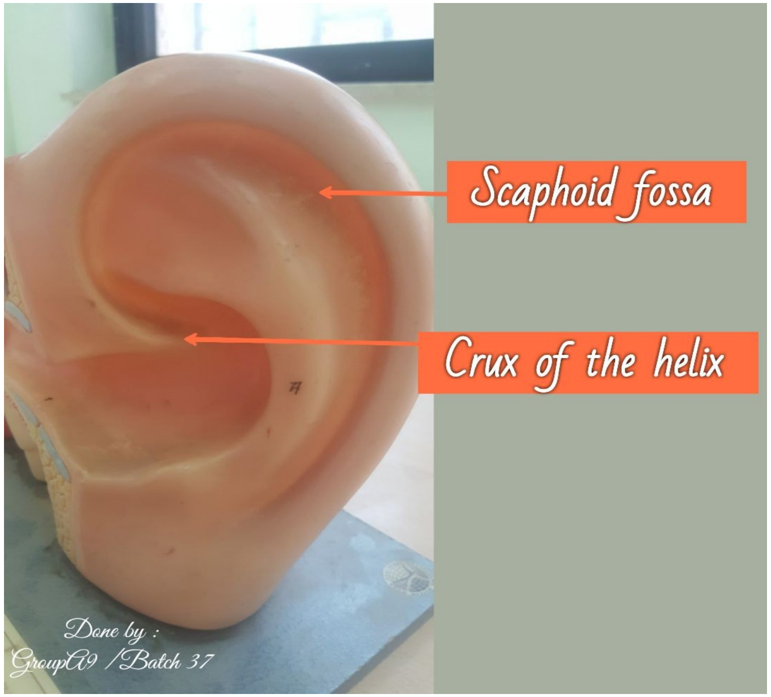

Insertion of levator palpebrae superiois
Sup. Palpebral conjunctiva
Inf. Palpebral conjunctiva
Inf. Conjunctival fornix
Orbital part of lacrimal gland
Palpebral part of lacrimal gland
Excriyory ducts of lacrimal

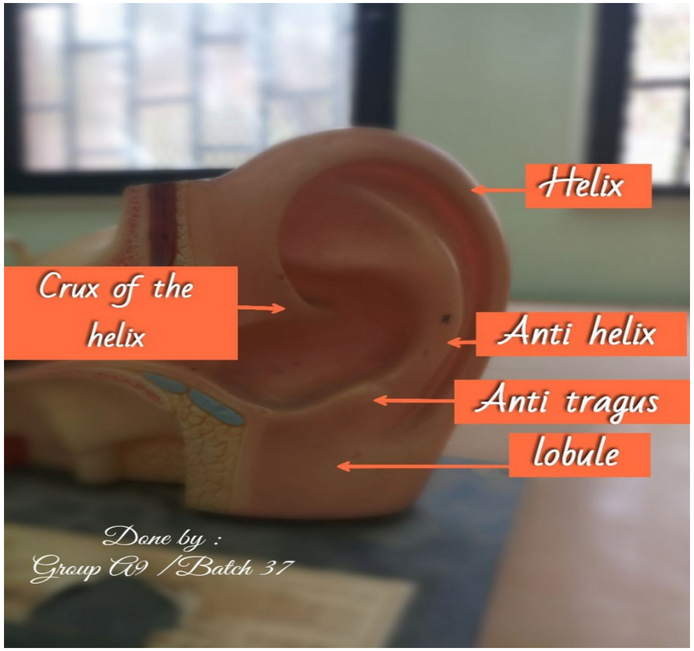

Orbital part of lacrimal gland
Palpebral part of lacrimal gland
Plica semilunaris
Inf. tarsus
Lateral palpebral lig.
Ant. Lacrimal crest
Sup. Tarsus
Superior lacrimal papilla & punctum
Medial palpemral lig.
Inferior lacrimal papilla & punctum
Lacrimal caruncle

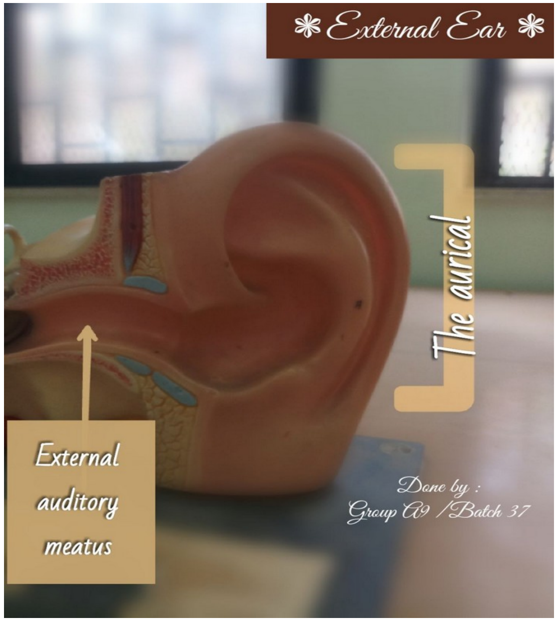

Superior oblique m.
sclera
Lateral rectus m.
cornea
Inferior oblique m.
Levator palpebrae superioris m.
Medial rectus m.
Lacrimal duct
Nasolacrimal duct
Opening of nasolacrimal duct
Inferioir oblique m.

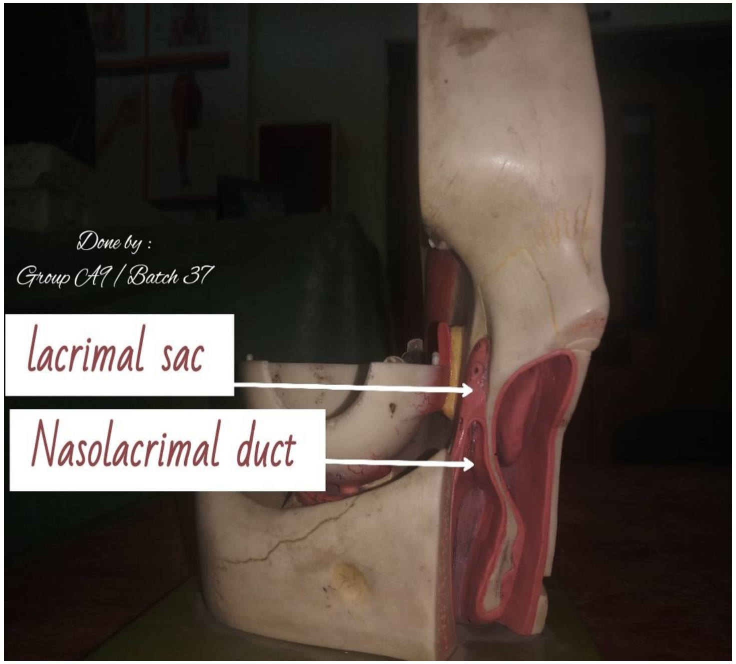
Ear Anatomy

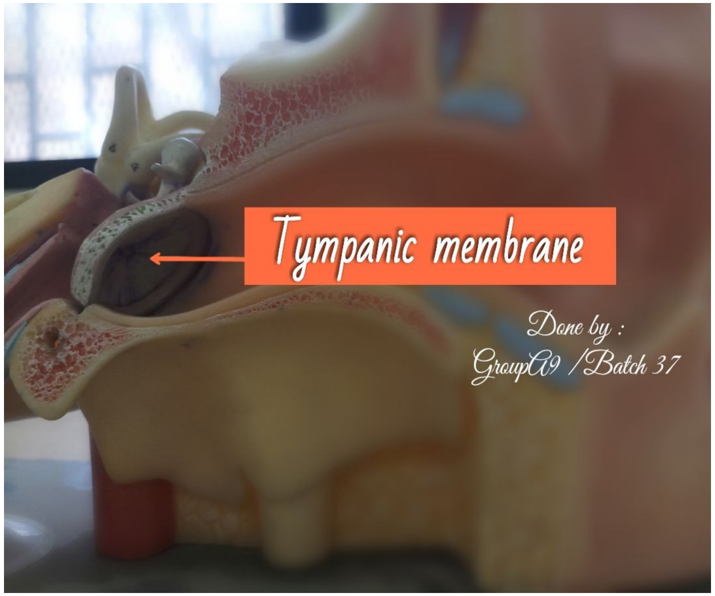
Anatomy lab

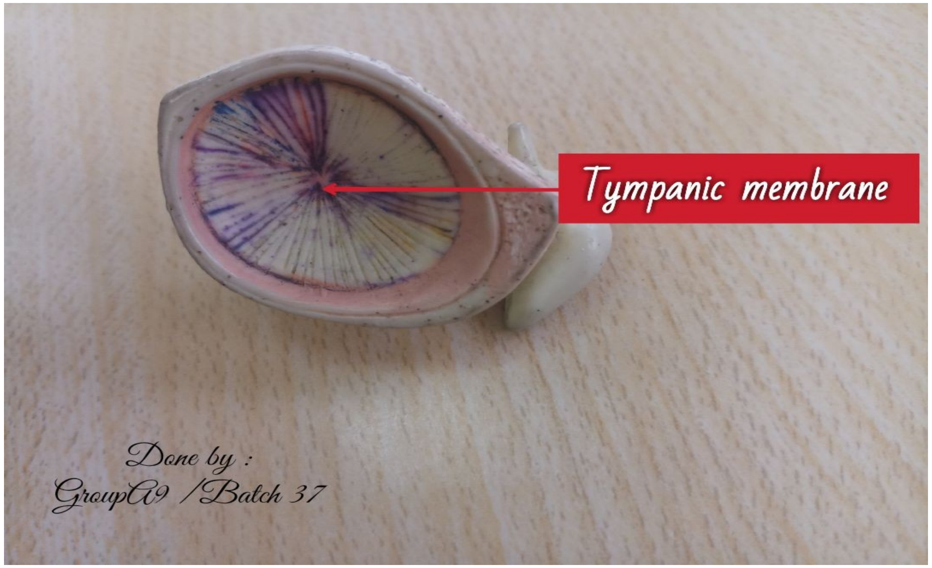

Scaphoid fossa
Crux of the helix
Done by :
GroupA9 /Batch 37

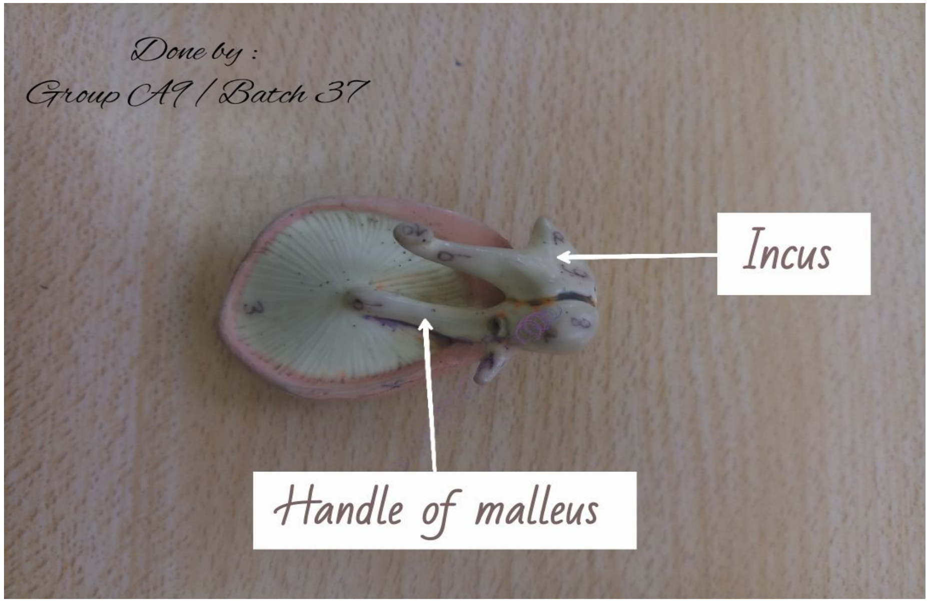

Helix
Crux of the helix
Anti helix
Anti tragus
lobule
Done by :
Group A9 /Batch 37

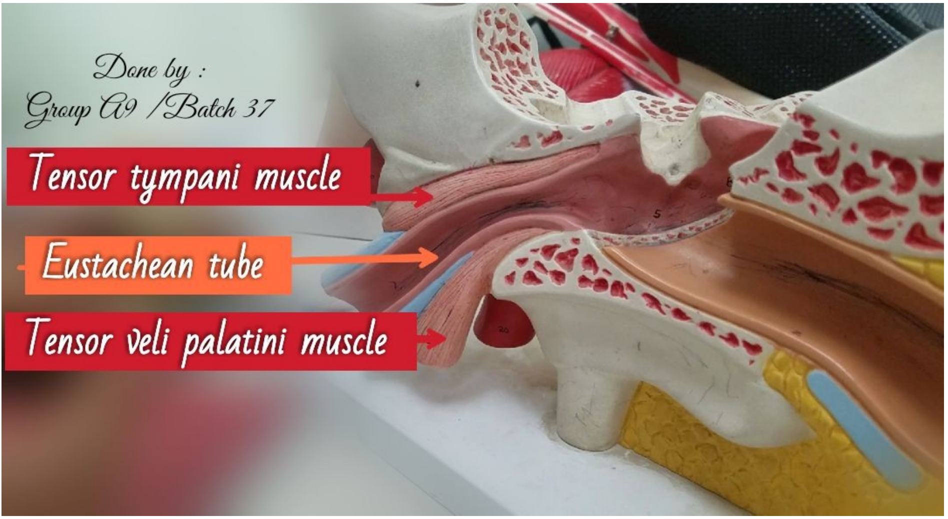

❀ External Ear ❀
The aurical
External auditory meatus
Done by :
Group A9 /Batch 37

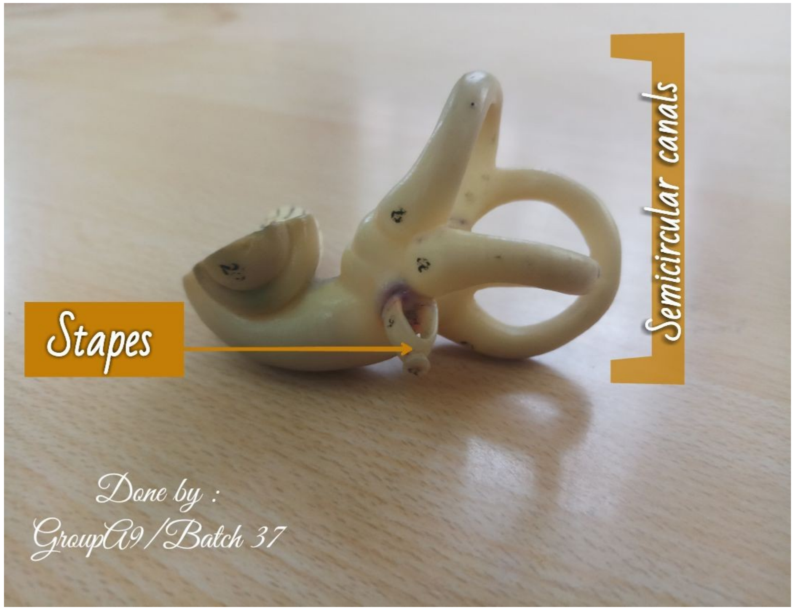

Done by :
Group A9 / Batch 37
lacrimal sac
Nasolacrimal duct

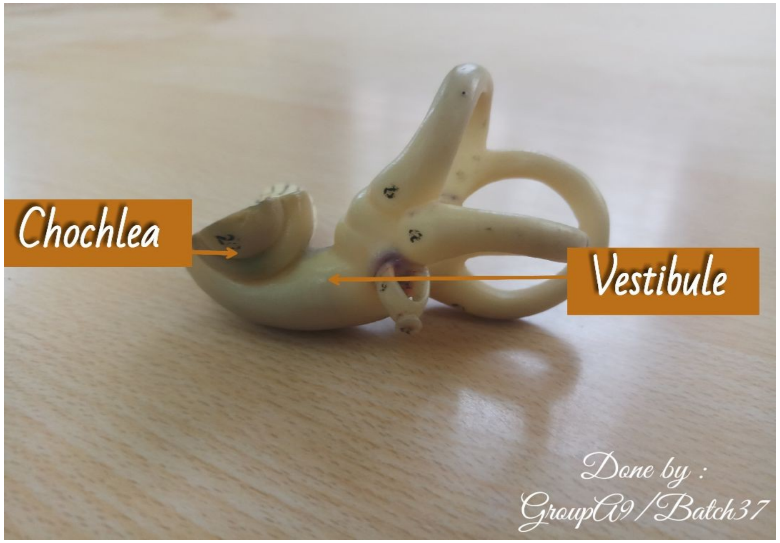

Tympanic membrane
Done by :
GroupA9 /Batch 37

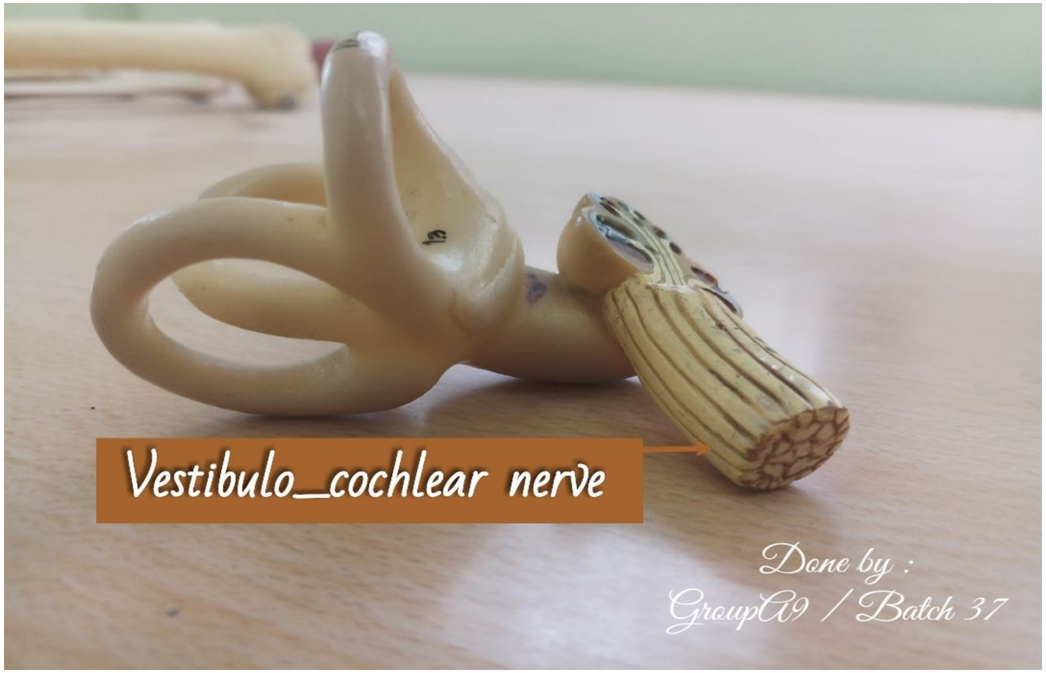

Tympanic membrane
Done by :
GroupA9 /Batch 37

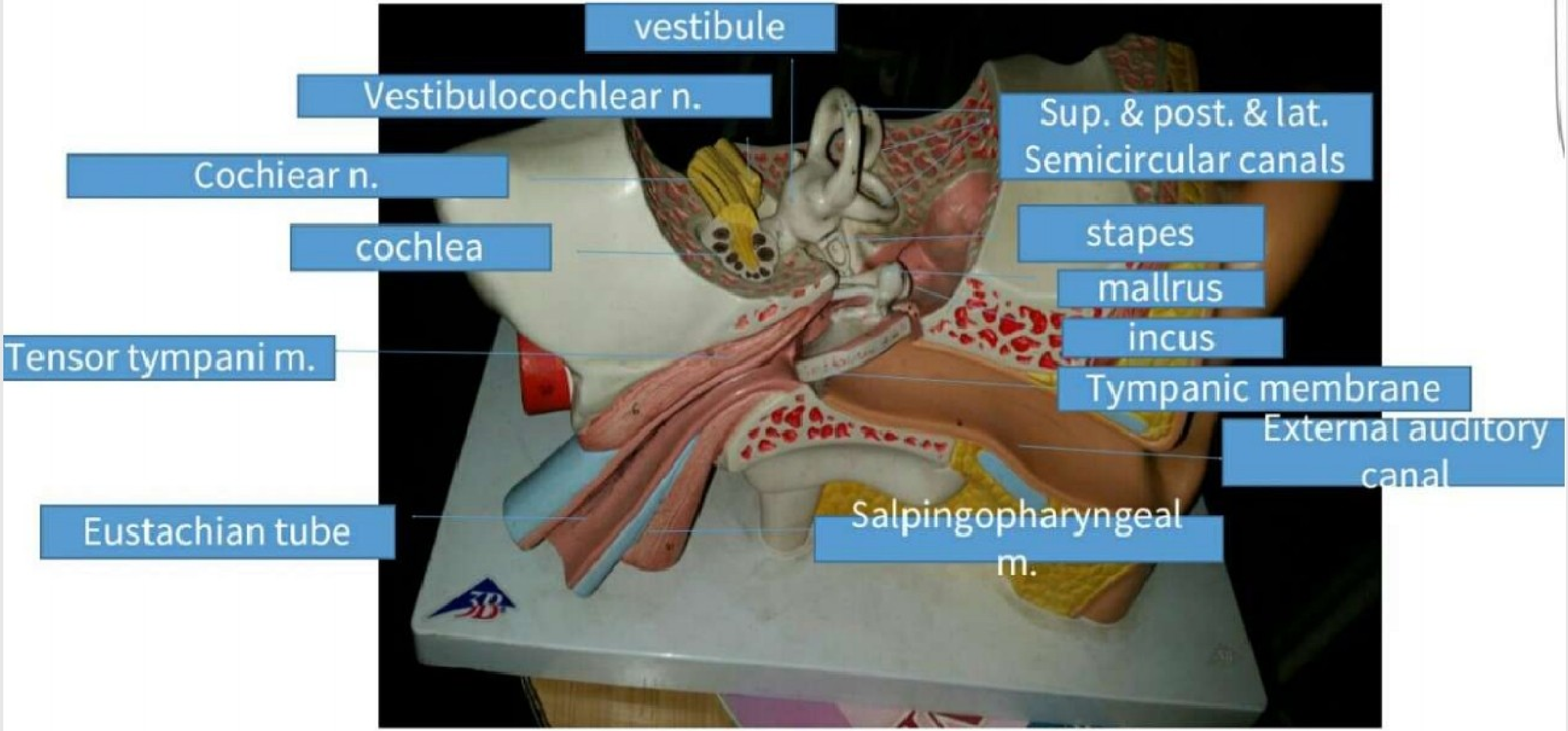

Done by :
Group A9 / Batch 37
Incus
Handle of malleus


Done by :
Group A9 /Batch 37
Tensor tympani muscle
Eustachean tube
Tensor veli palatini muscle


Semicircular canals
Stapes
Done by :
GroupA9 / Batch 37


Chochlea
Vestibule
Done by :
GroupA9 / Batch37

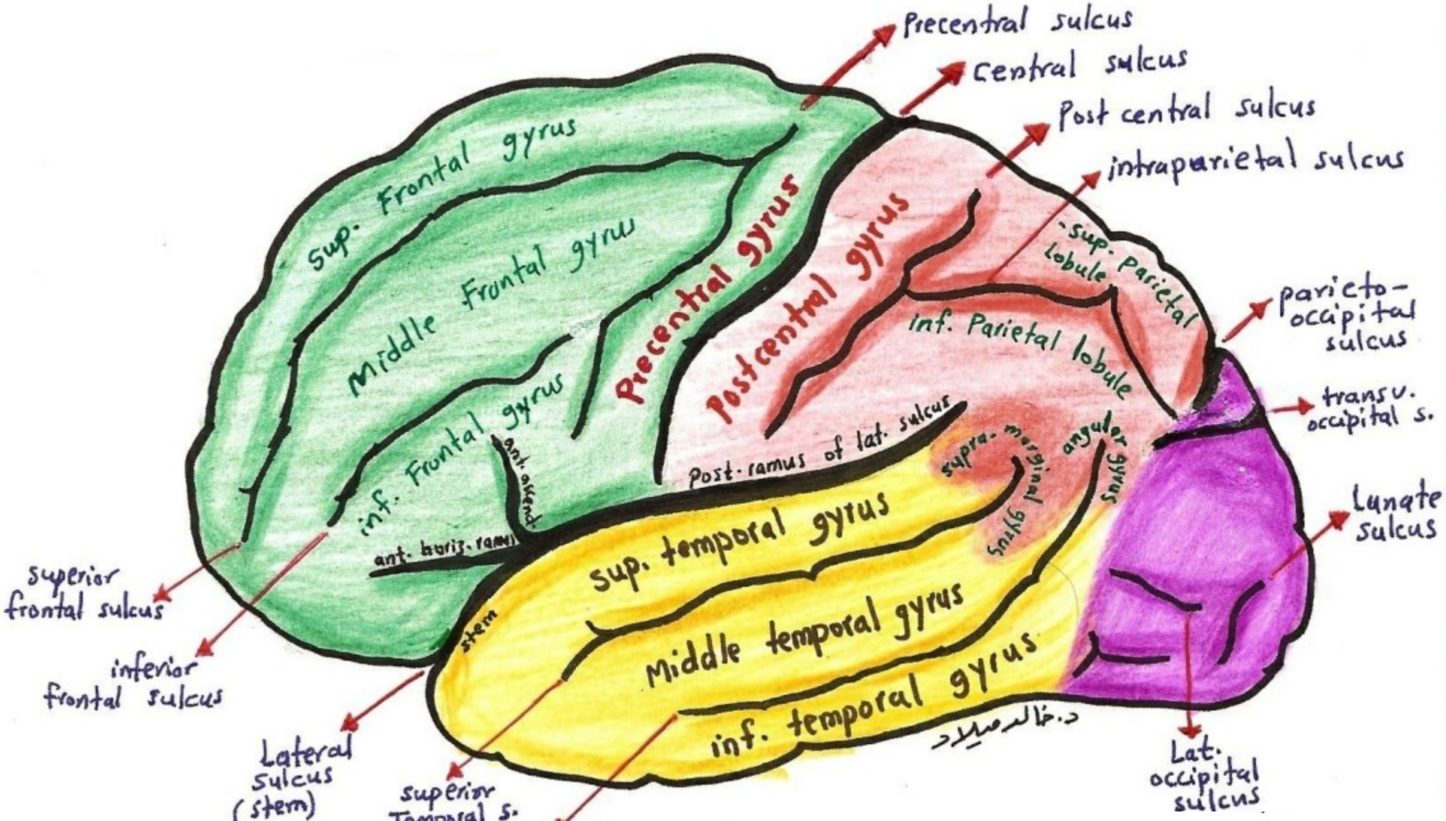

Vestibulo_cochlear nerve
Done by :
GroupA9 / Batch 37

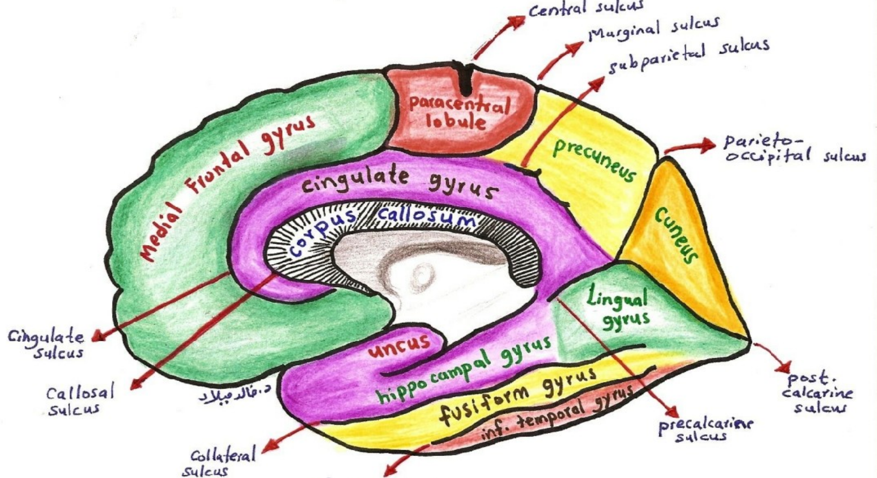

vestibule
Vestibulocochlear n.
Cochiear n.
cochlea
Tensor tympani m.
Eustachian tube
Sup. & post. & lat. Semicircular canals
stapes
mallrus
incus
Tympanic membrane
External auditory canal
Salpingopharyngeal m.

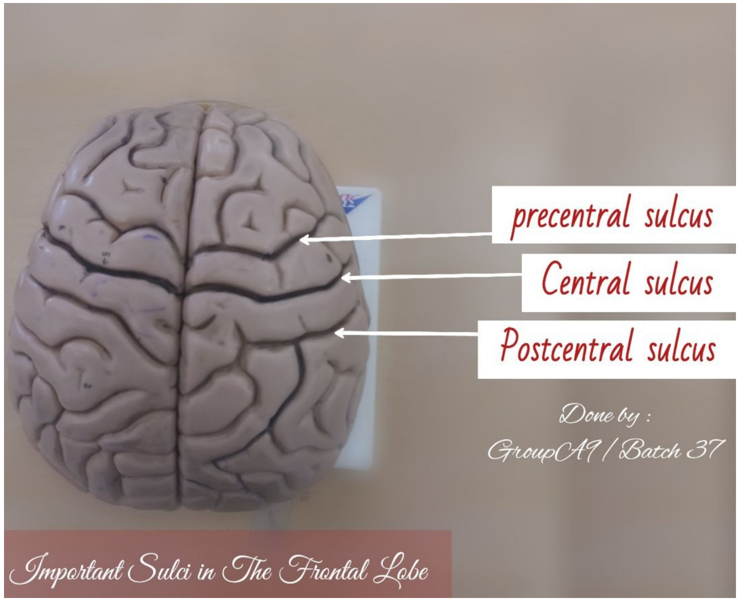
NEUROANATOMY

Anatomy Lab

Brain

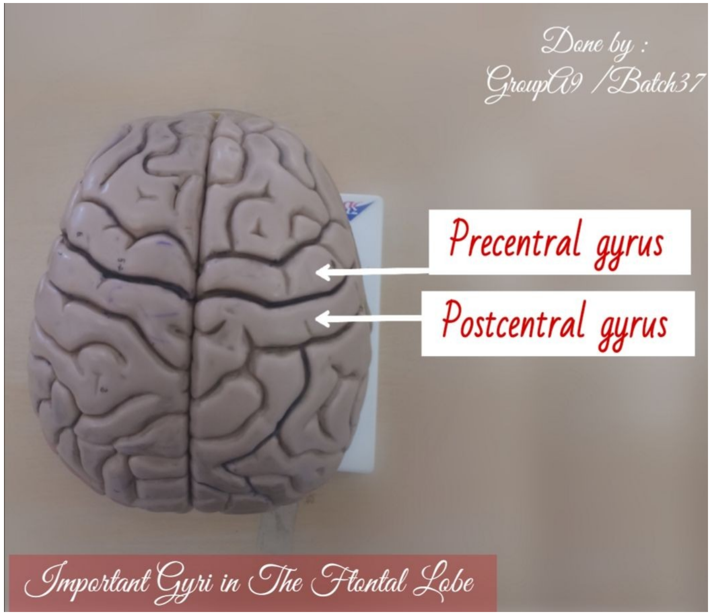

Precentral sulcus
Central sulcus
Post central sulcus
intraparietal sulcus
sup. Frontal gyrus
Middle Frontal gyrus
inf. Frontal gyrus
Precentral gyrus
Postcentral gyrus
-sup. Parietal lobule
inf. Parietal lobule
parieto-occipital sulcus
transv. occipital s.
Post. ramus of lat. sulcus
supra. marginal gyrus
angular gyrus
ant. ascend.
ant. horiz. rami
Lunate sulcus
sup. temporal gyrus
Middle temporal gyrus
inf. temporal gyrus
stem
superior frontal sulcus
inferior frontal sulcus
Lateral sulcus (stem)
superior Temporal s.
middle temporal s.
Lat. occipital sulcus
د. خالد ميلاد


Central sulcus
Marginal sulcus
subparietal sulcus
paracentral lobule
Medial frontal gyrus
precuneus
Parieto-occipital sulcus
cingulate gyrus
corpus callosum
cuneus
Lingual gyrus
uncus
hippo campal gyrus
fusiform gyrus
inf. temporal gyrus
Cingulate sulcus
Callosal sulcus
د. خالد ميلاد
post. calcarine sulcus
precalcarine sulcus
Collateral sulcus
inf. temporal sulcus (occipitotemporal ")


precentral sulcus
Central sulcus
Postcentral sulcus

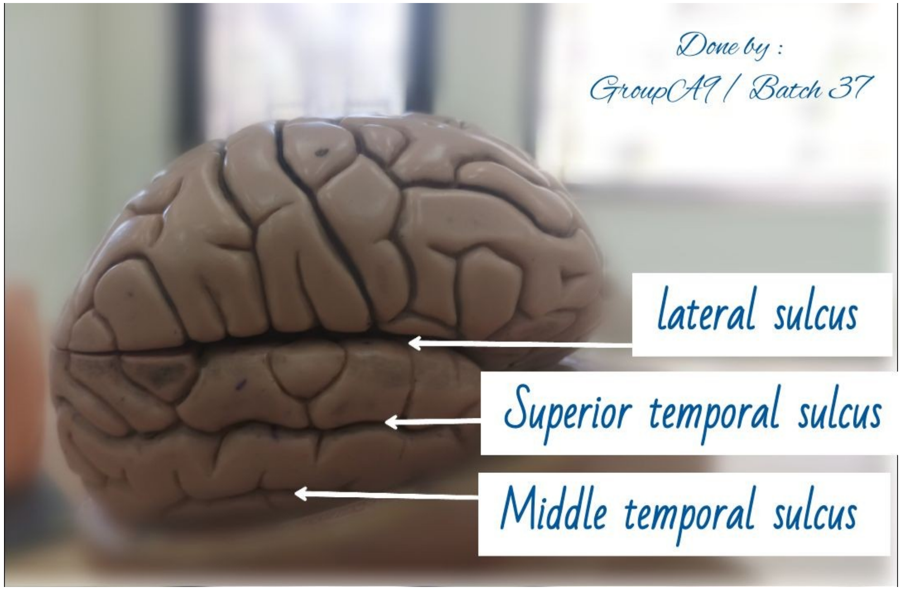
Done by :
GroupA9 / Batch 37

Important Sulci in The Frontal Lobe

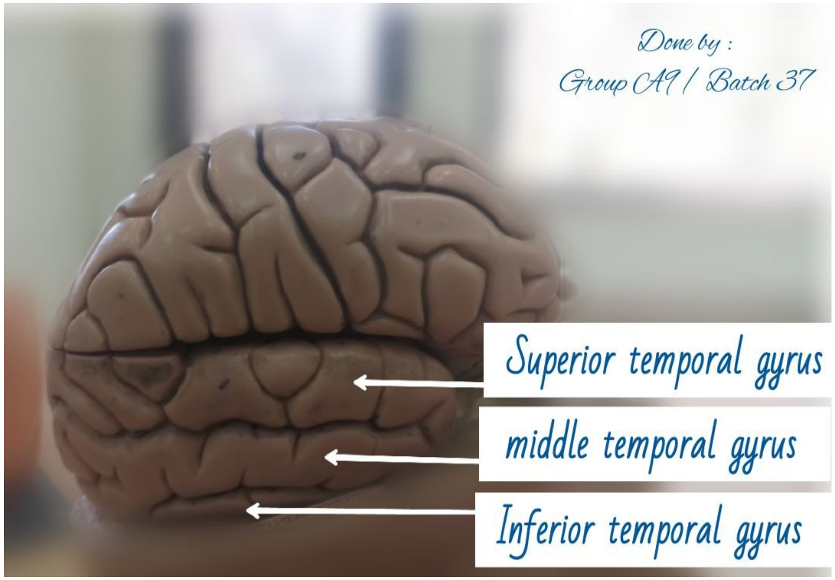

Precentral gyrus
Postcentral gyrus

Done by :
GroupA9 /Batch37

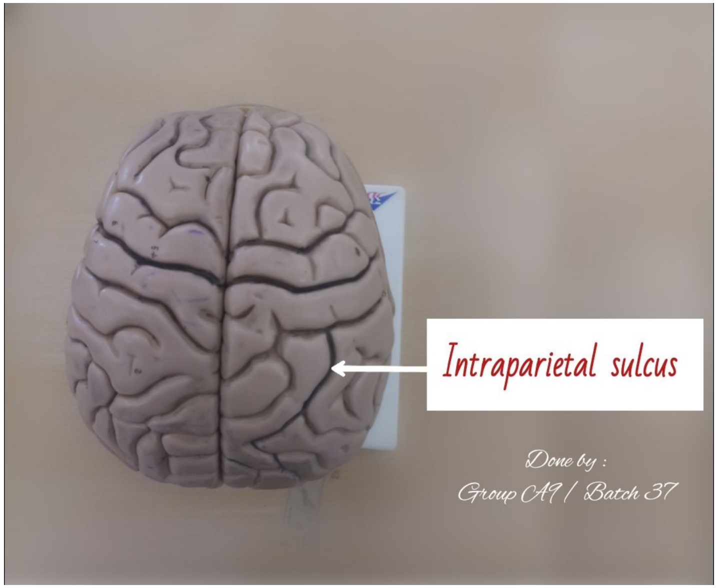
Important Gyri in The Flontal Lobe

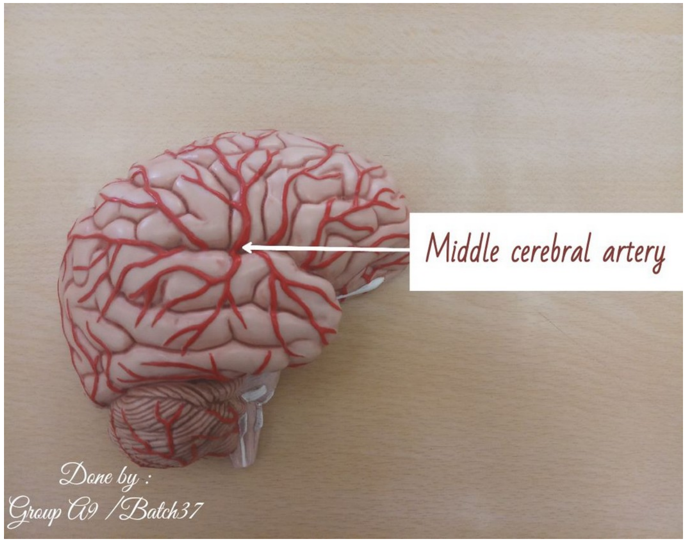

lateral sulcus
Superior temporal sulcus
Middle temporal sulcus

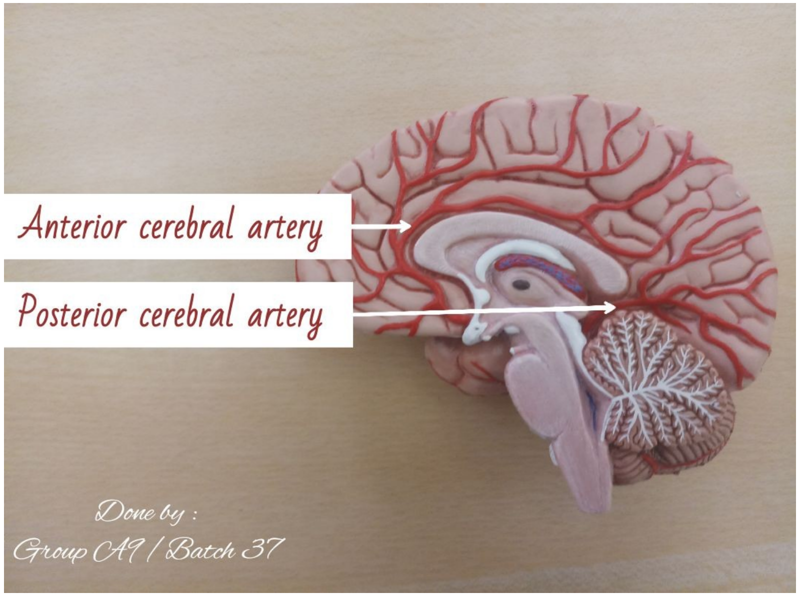
Done by :
GroupA9 / Batch 37

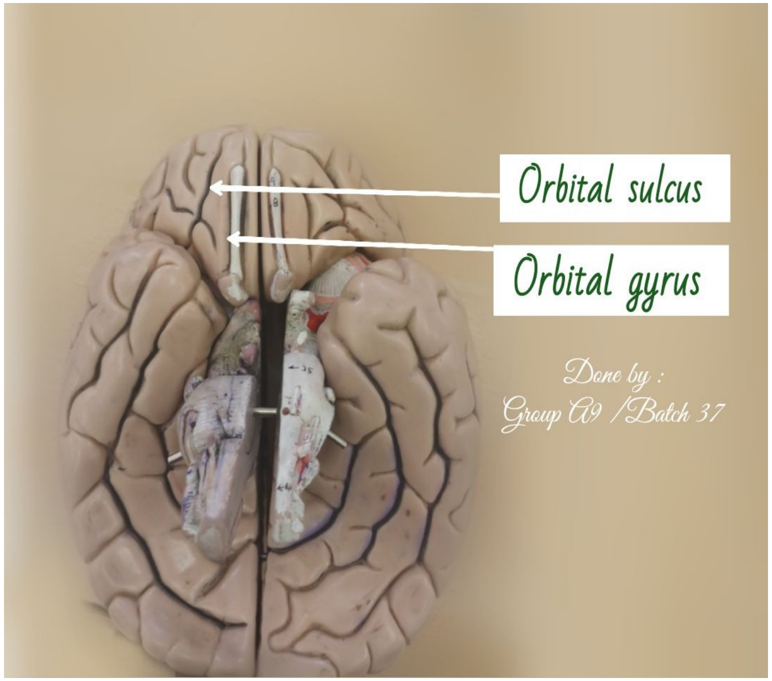

Superior temporal gyrus
middle temporal gyrus
Inferior temporal gyrus

Done by :
Group A9 / Batch 37

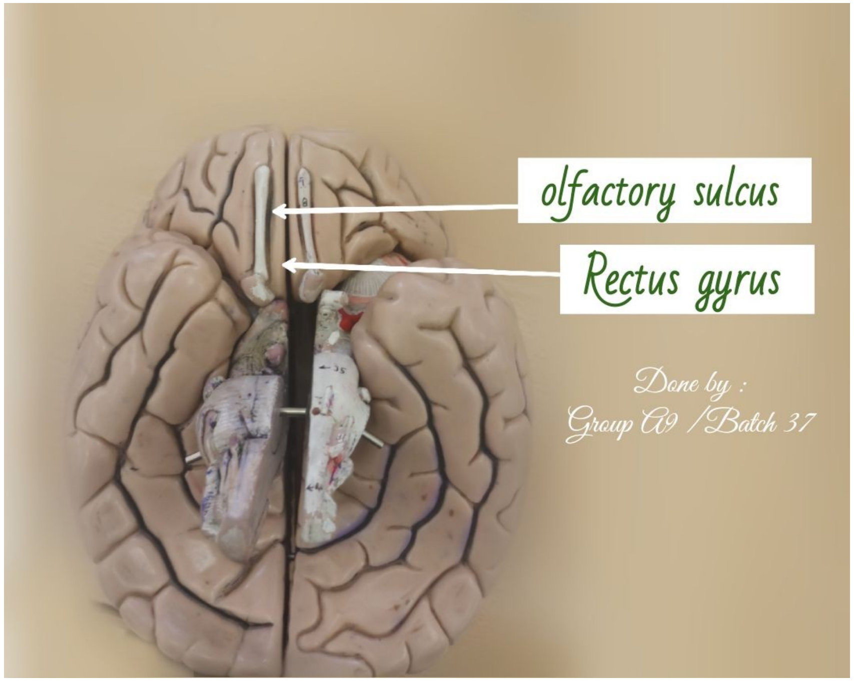

Intraparietal sulcus
Done by :
Group A9 / Batch 37


Middle cerebral artery
Done by :
Group A9 /Batch37

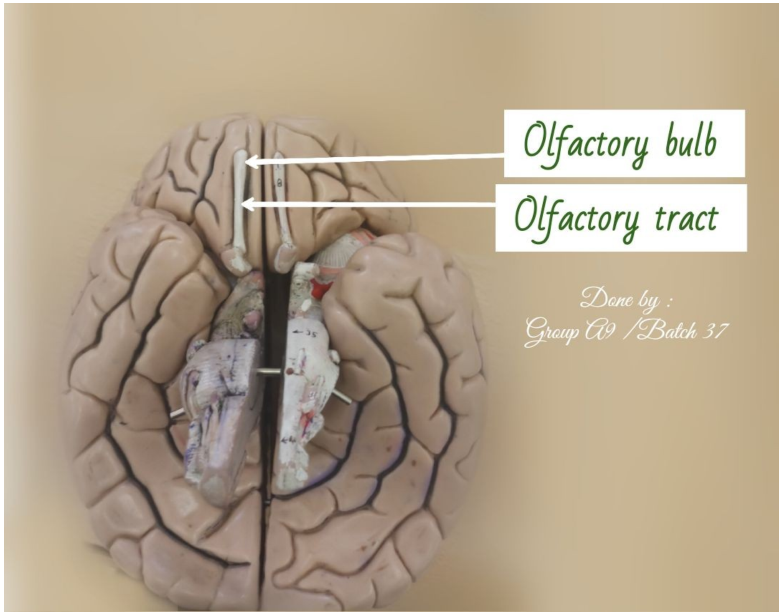

Anterior cerebral artery
Posterior cerebral artery
Done by :
Group A9 / Batch 37


Orbital sulcus
Orbital gyrus

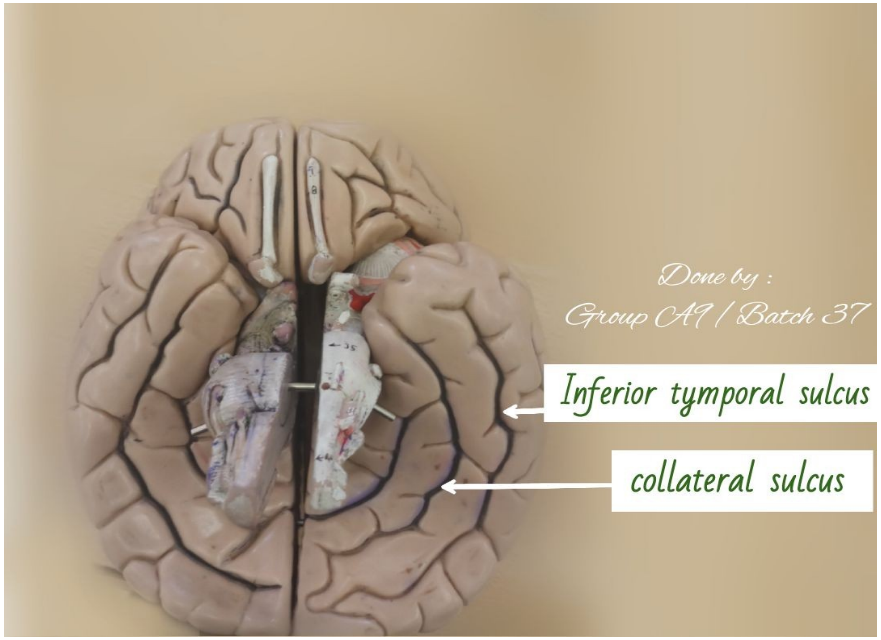
Done by :
Group A9 /Batch 37


olfactory sulcus
Rectus gyrus

Done by :
Group A9 /Batch 37

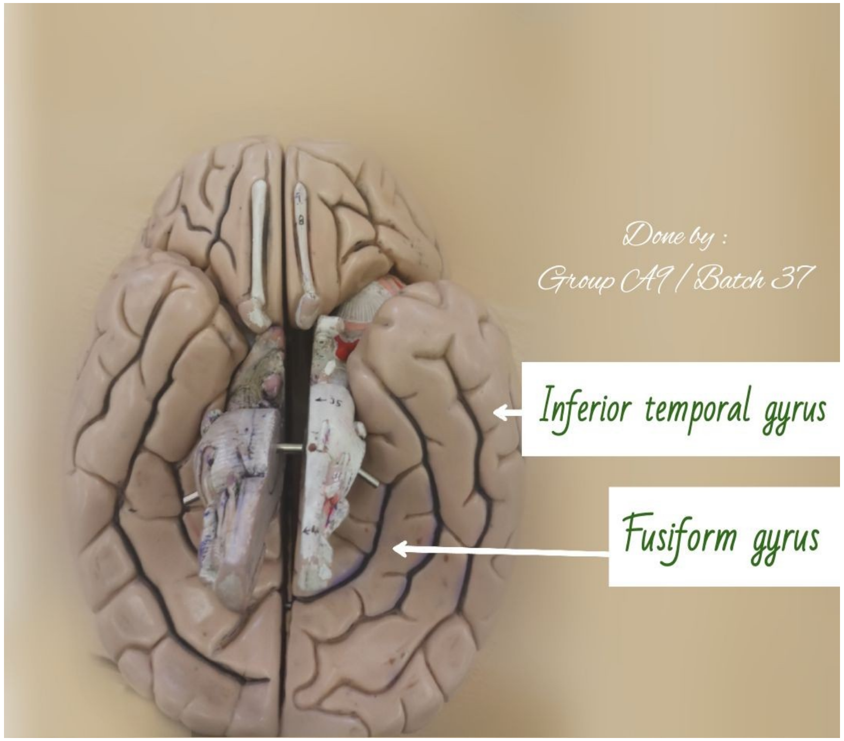

Olfactory bulb
Olfactory tract

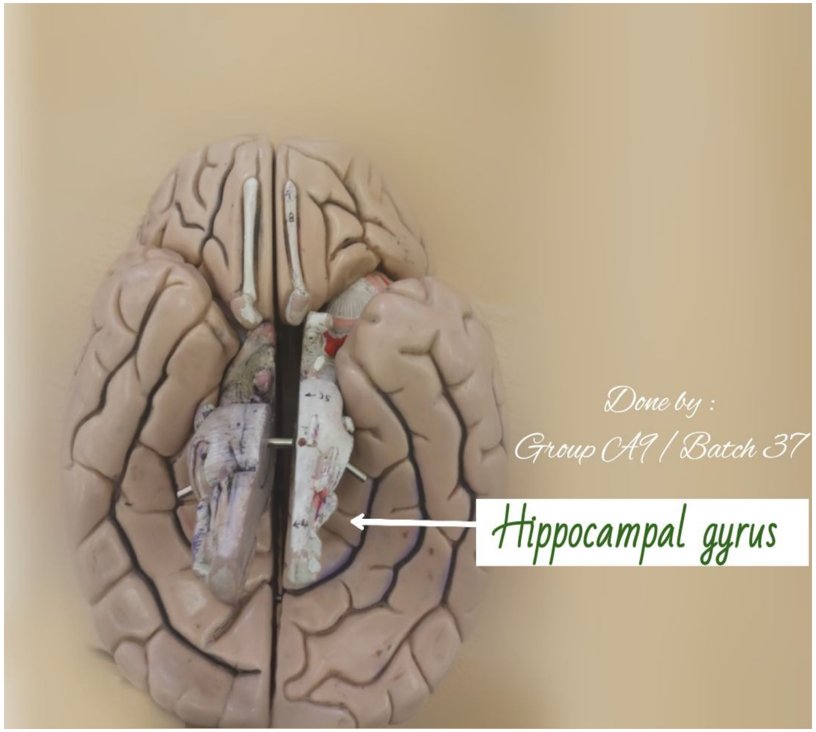
Done by :
Group A9 /Batch 37

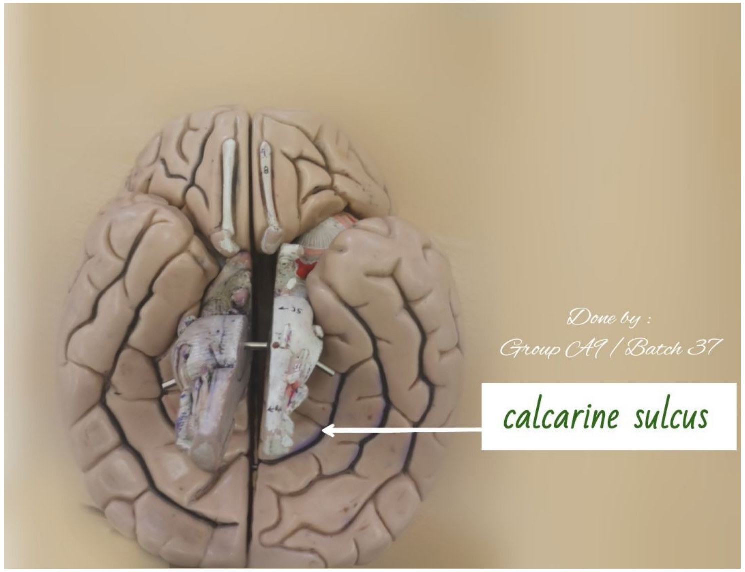


Done by :
Group A9 / Batch 37

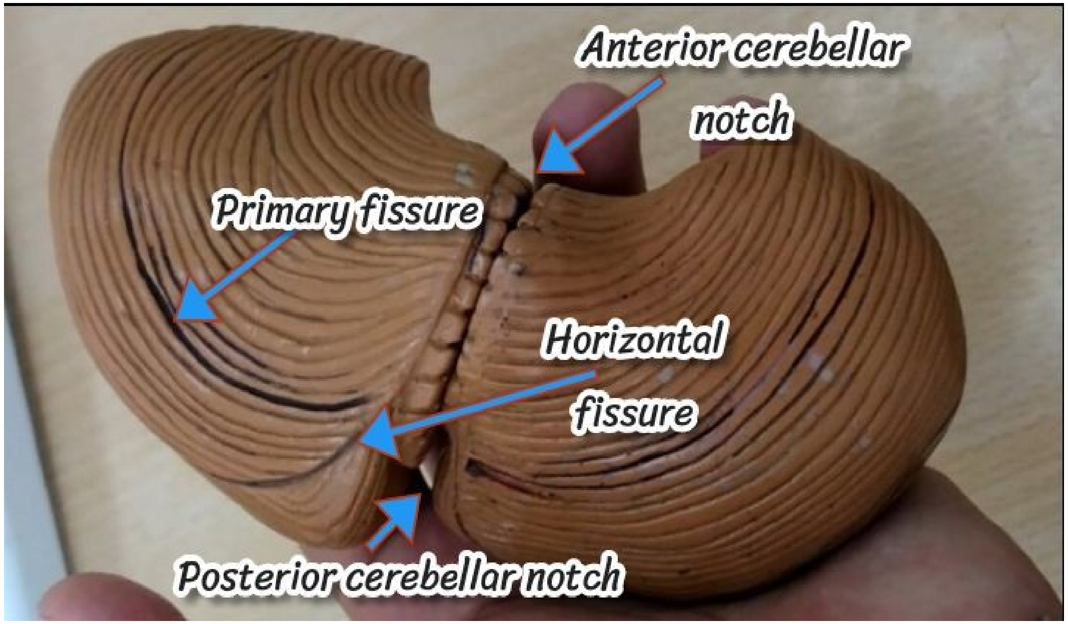
Inferior tymporal sulcus
collateral sulcus

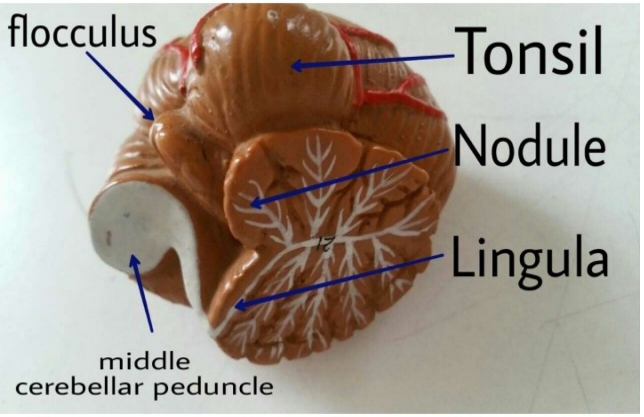

Done by :
Group A9 / Batch 37
Inferior temporal gyrus
Fusiform gyrus

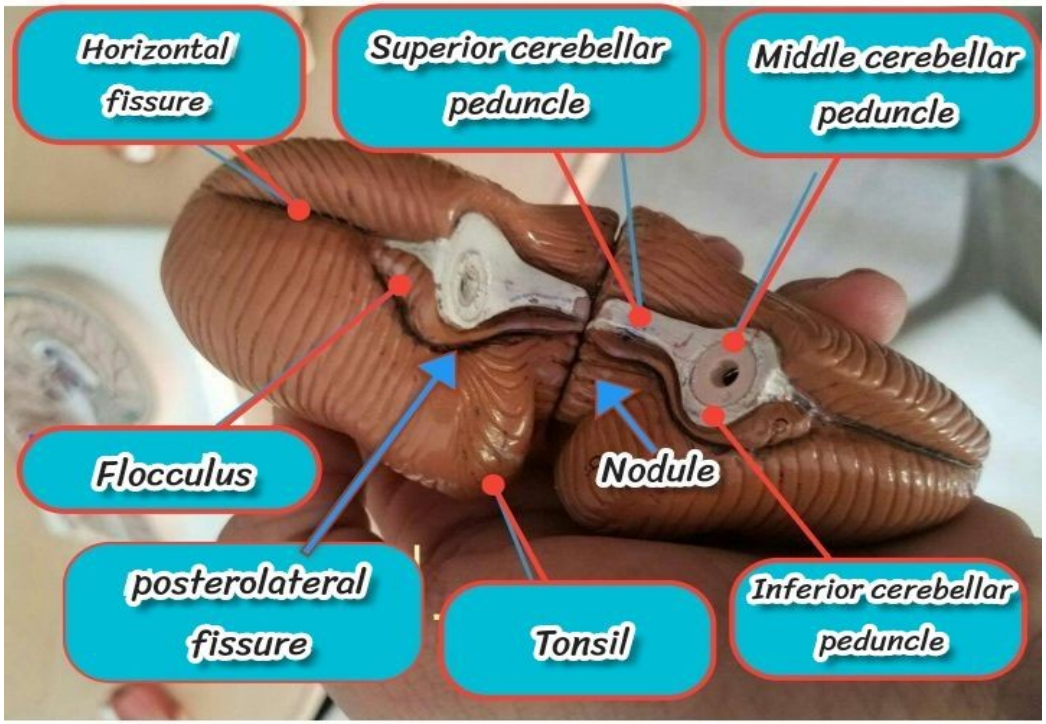

Done by :
Group A9 / Batch 37
Hippocampal gyrus

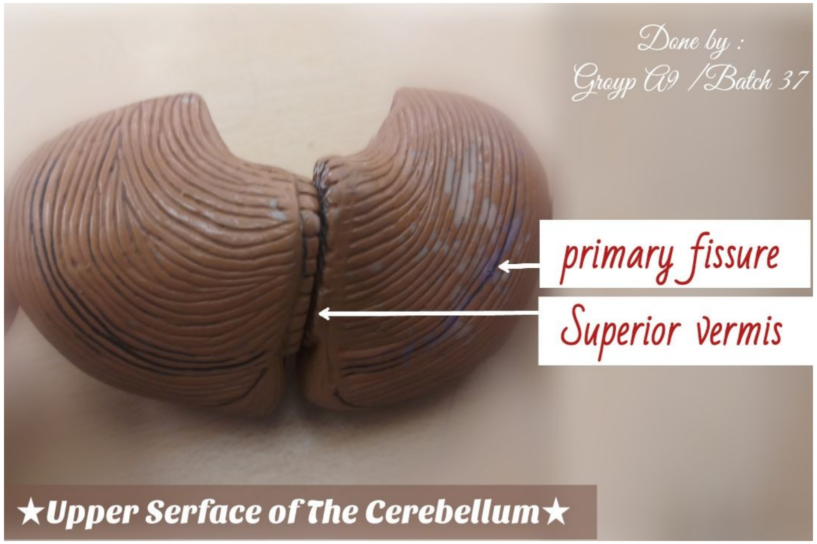

Done by :
Group A9 / Batch 37
calcarine sulcus

Cerebellum

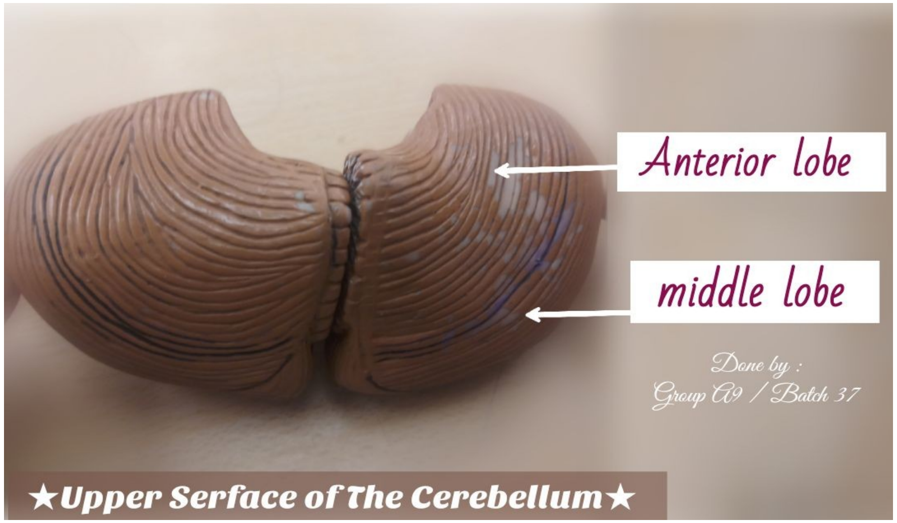

Anterior cerebellar notch
Primary fissure
Horizontal fissure
Posterior cerebellar notch


flocculus
Tonsil
Nodule
Lingula
middle cerebellar peduncle

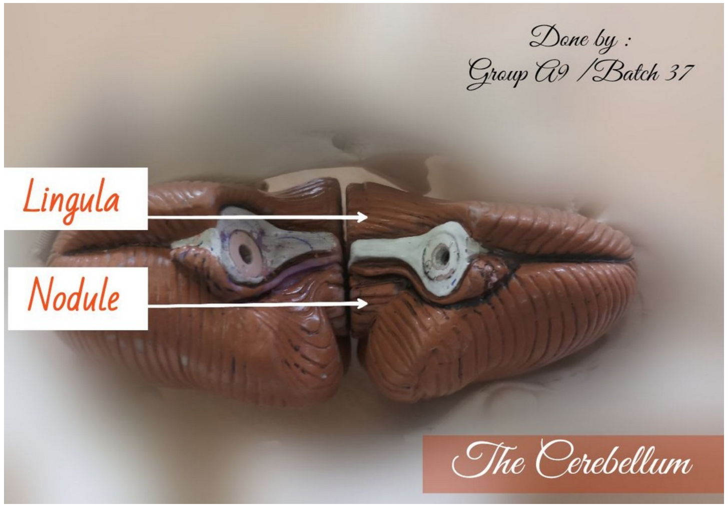

Horizontal fissure
Superior cerebellar peduncle
Middle cerebellar peduncle
Flocculus
Nodule
posterolateral fissure
Tonsil
Inferior cerebellar peduncle


Done by :
Group A9 /Batch 37
primary fissure
Superior vermis

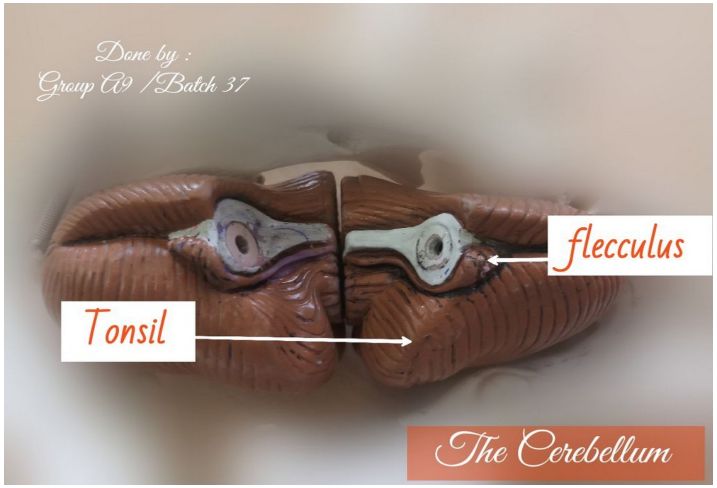
★Upper Serface of The Cerebellum★


Anterior lobe
middle lobe
Done by :
Group A9 / Batch 37

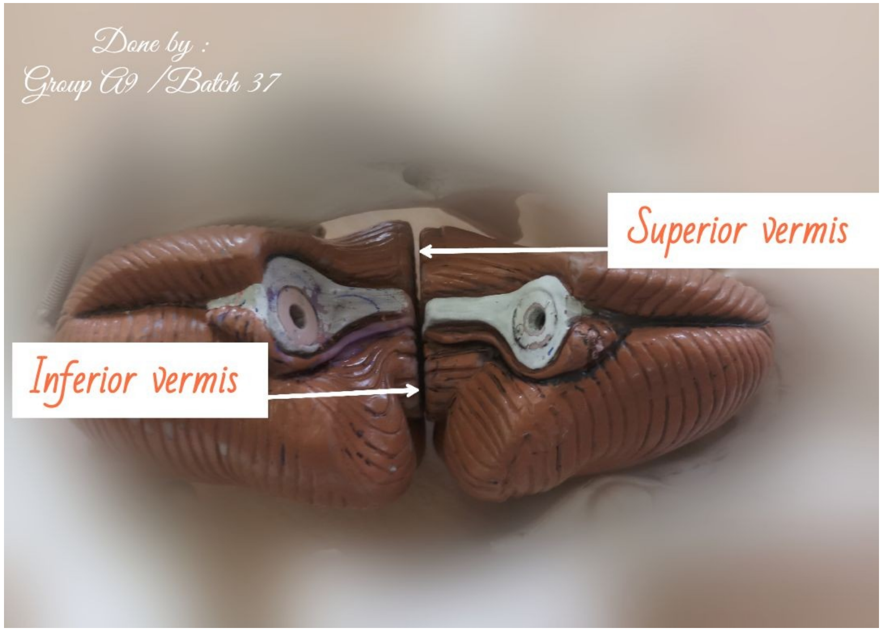
★Upper Serface of The Cerebellum★

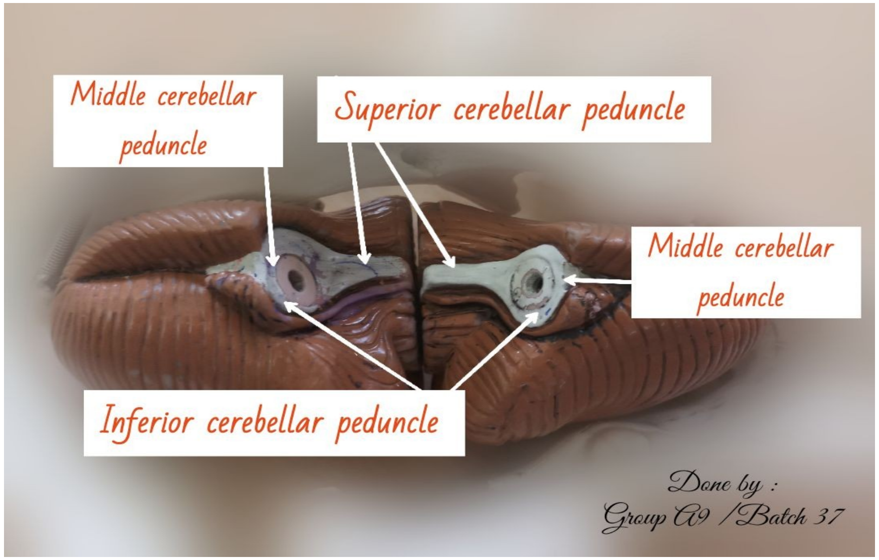

Done by :
Group A9 /Batch 37
Lingula
Nodule

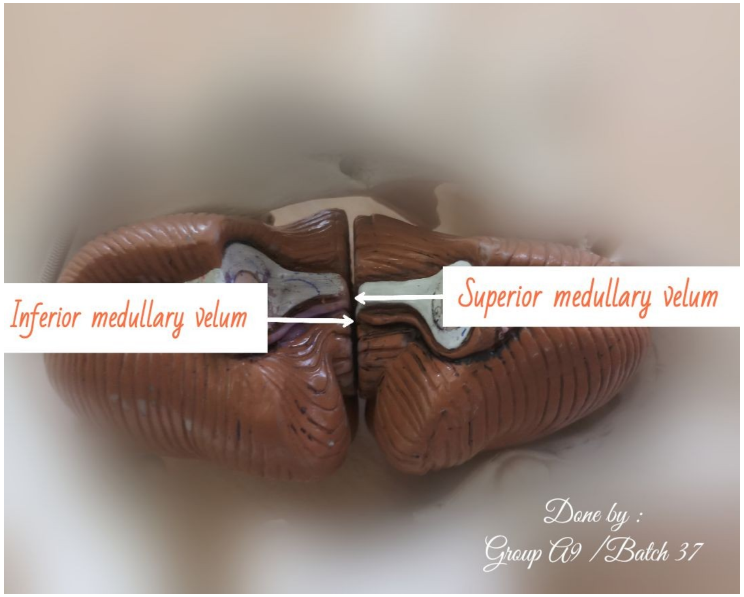
The Cerebellum

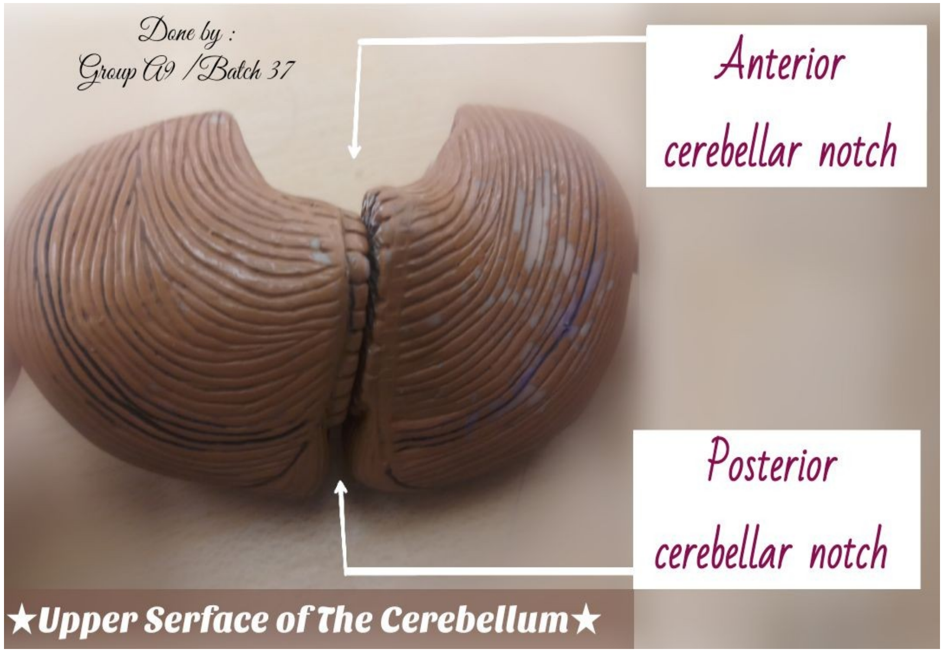

Done by :
Group A9 /Batch 37
flecculus
Tonsil

The Cerebellum

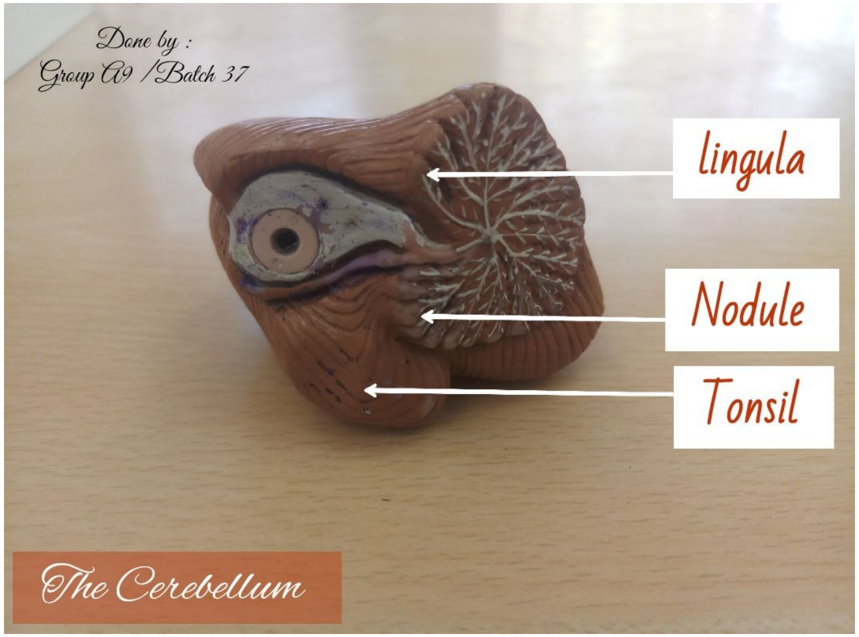

Done by :
Group A9 /Batch 37
Superior vermis
Inferior vermis

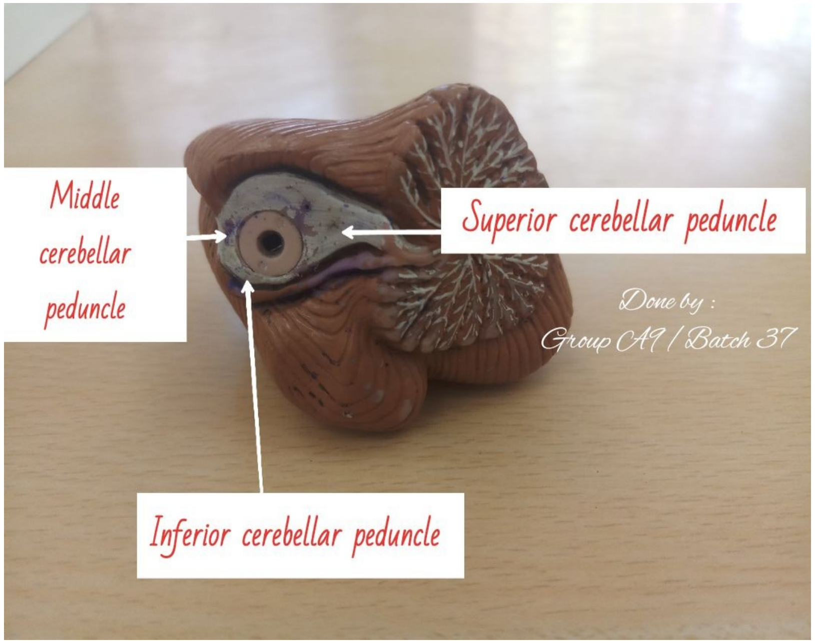

Middle cerebellar peduncle
Superior cerebellar peduncle
Middle cerebellar peduncle
Inferior cerebellar peduncle
Done by :
Group A9 /Batch 37


Inferior medullary velum
Superior medullary velum
Done by :
Group A9 /Batch 37


Done by :
Group A9 /Batch 37
Anterior cerebellar notch
Posterior cerebellar notch

★Upper Serface of The Cerebellum★

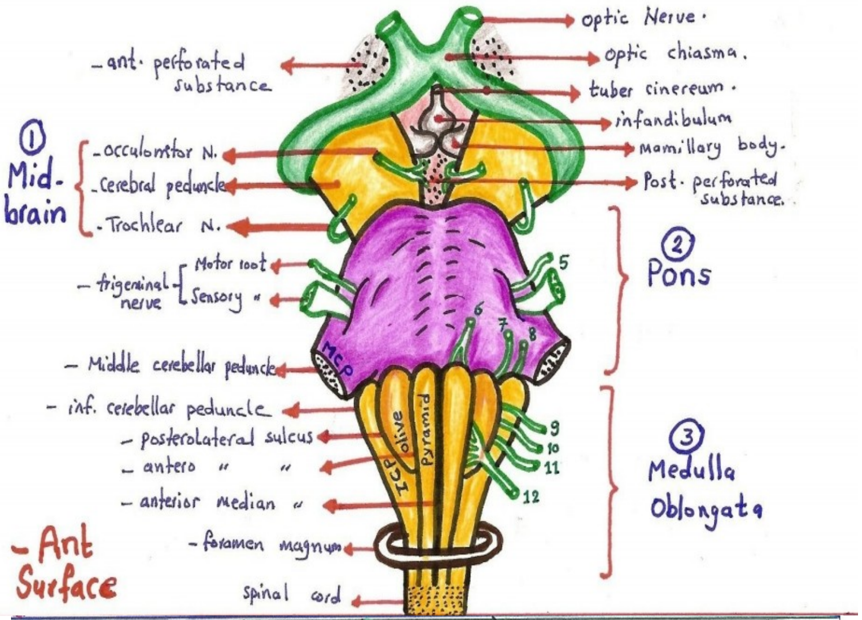

Done by :
Group A9 / Batch 37
lingula
Nodule
Tonsil
The Cerebellum


Middle cerebellar peduncle
Superior cerebellar peduncle
Done by :
Group A9 / Batch 37
Inferior cerebellar peduncle

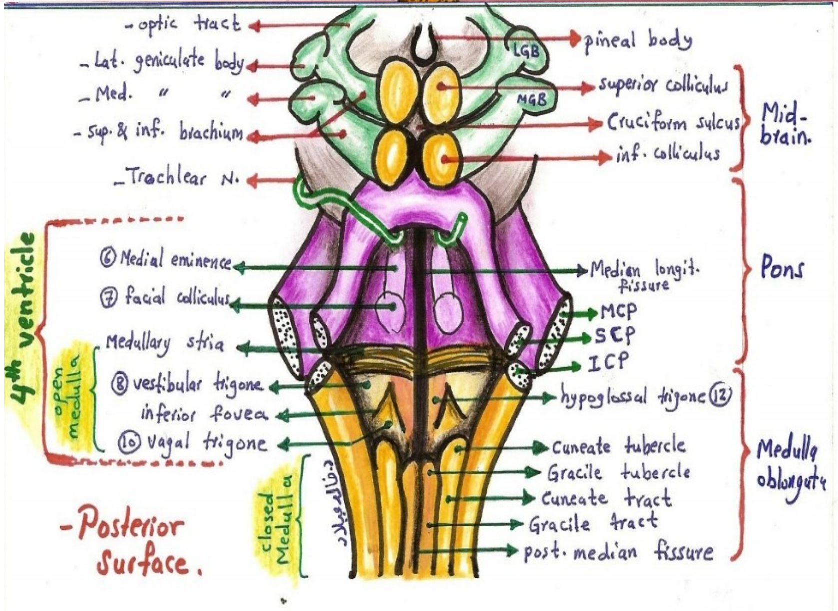
BRAIN STEM

Anatomy Lab

BRAIN STEM

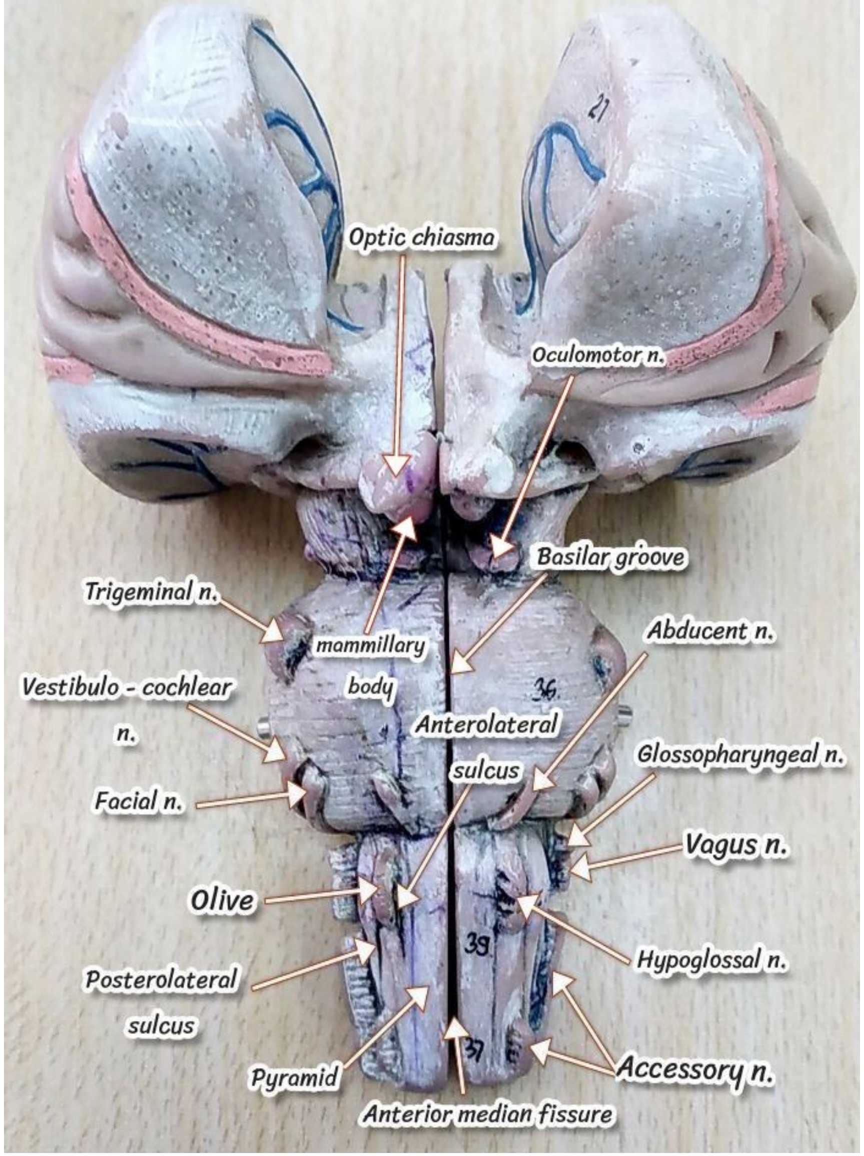

optic Nerve.
optic chiasma.
tuber cinereum.
infandibulum
Mamillary body.
Post. perforated substance.
ant. perforated substance
① Mid-brain
occulomotor N.
cerebral peduncle
Trochlear N.
② Pons
trigeminal nerve
Motor root
Sensory "
5
6
7
8
MCP
Middle cerebellar peduncle
③ Medulla Oblongata
inf. cerebellar peduncle
posterolateral sulcus
antero " "
anterior median "
olive
Pyramid
ICP
9
10
11
12
foramen magnum
spinal cord

- Ant Surface

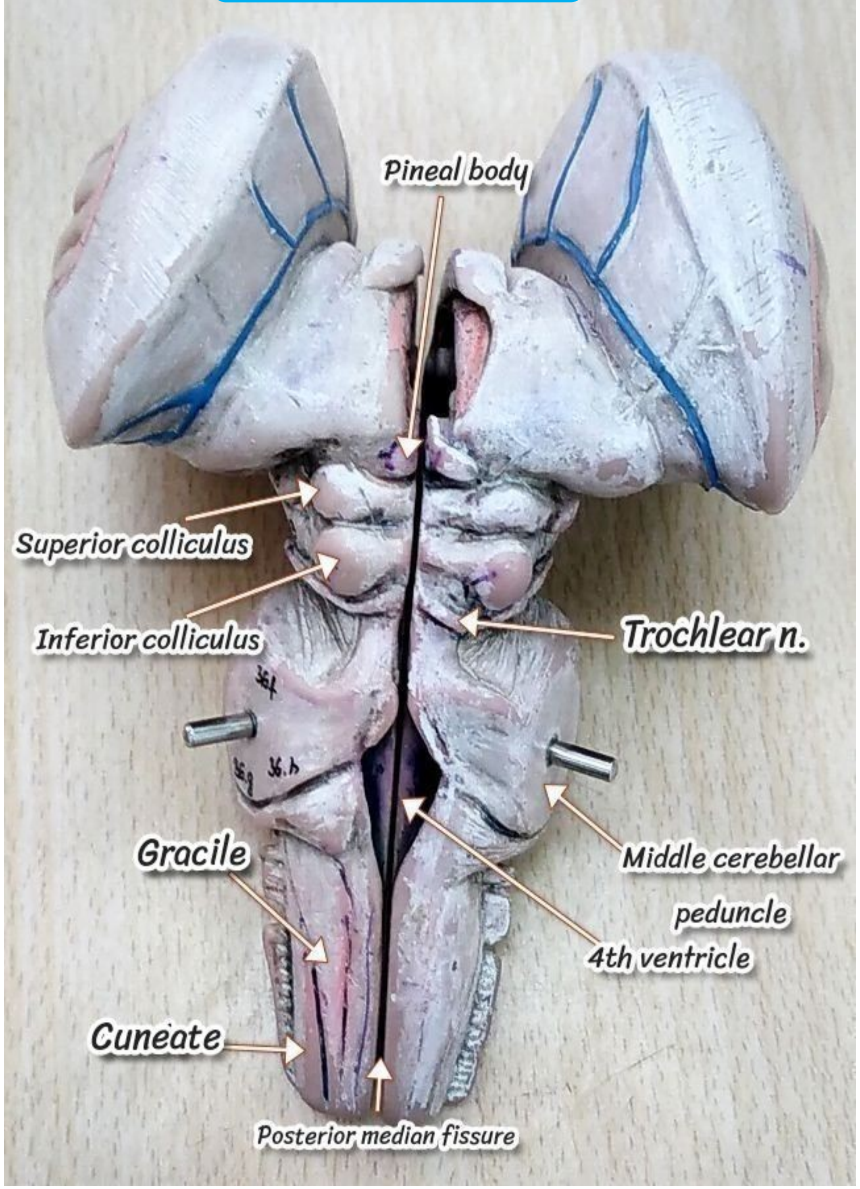

optic tract
Lat. geniculate body
Med. " "
sup. & inf. brachium
Trochlear N.
pineal body
LGB
MGB
superior colliculus
Cruciform sulcus
inf. colliculus
Mid-brain
Pons
Medulla oblongata
4th ventricle
⑥ Medial eminence
⑦ facial colliculus
Medullary stria
open medulla
⑧ vestibular trigone
inferior fovea
⑩ vagal trigone
Median longit. fissure
MCP
SCP
ICP
hypoglossal trigone ⑫
Cuneate tubercle
Gracile tubercle
Cuneate tract
Gracile tract
post. median fissure
closed Medulla
دي اللي عكلار

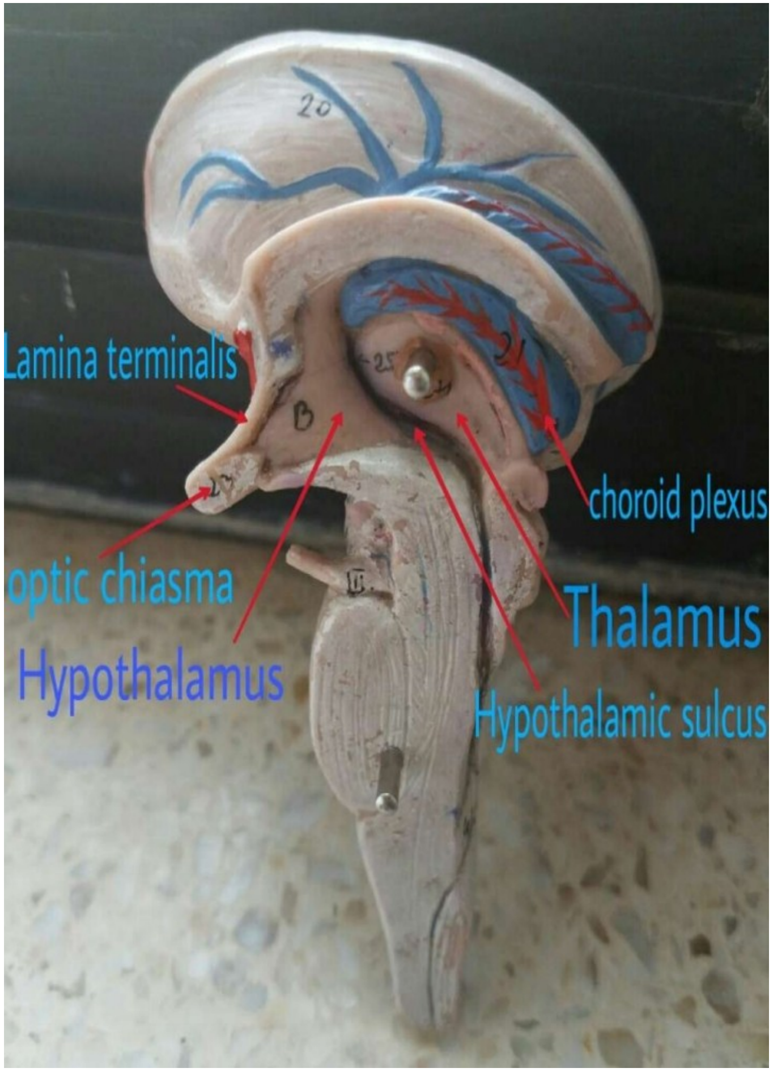
- Posterior surface.

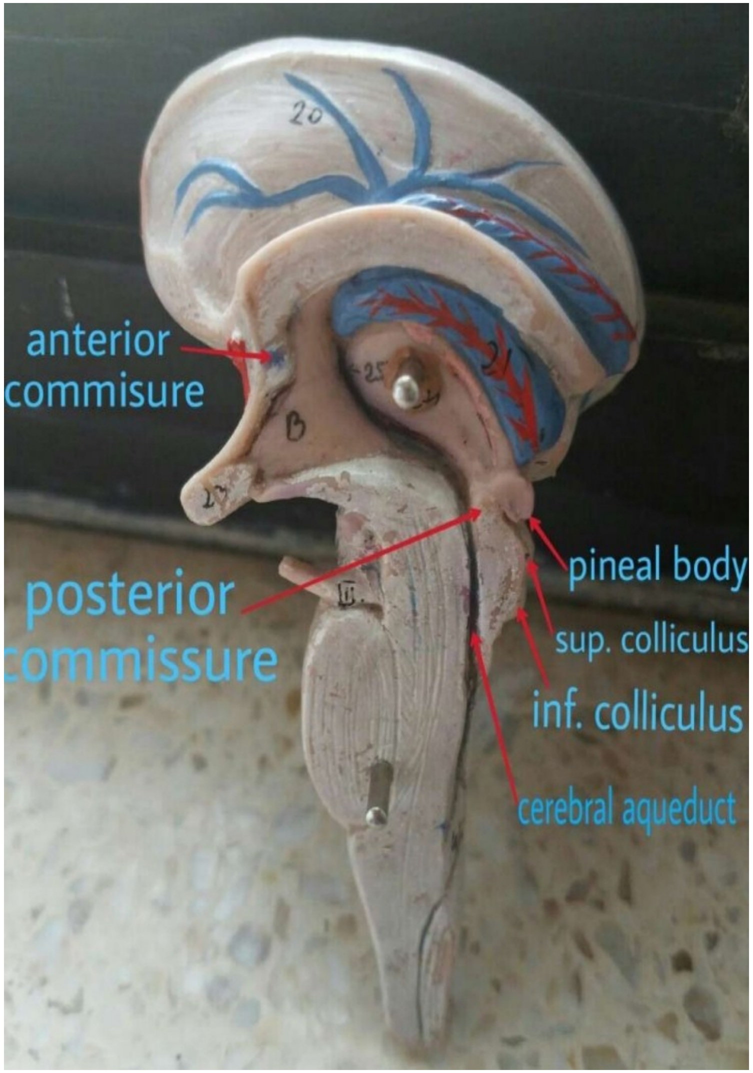
Anterior view


Optic chiasma
Oculomotor n.
Basilar groove
Trigeminal n.
mammillary body
Abducent n.
Vestibulo - cochlear n.
Anterolateral sulcus
Glossopharyngeal n.
Facial n.
Vagus n.
Olive
Hypoglossal n.
Posterolateral sulcus
Pyramid
Accessory n.
Anterior median fissure

Posterior view

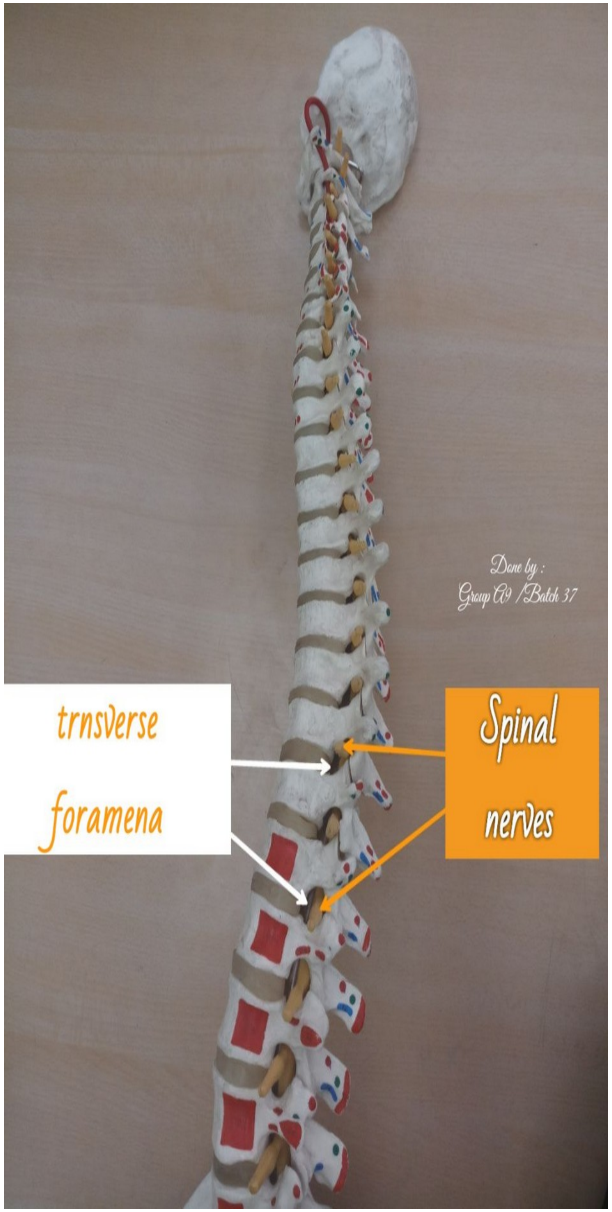

Pineal body
Superior colliculus
Inferior colliculus
Trochlear n.
Gracile
Middle cerebellar peduncle
4th ventricle
Cuneate
Posterior median fissure

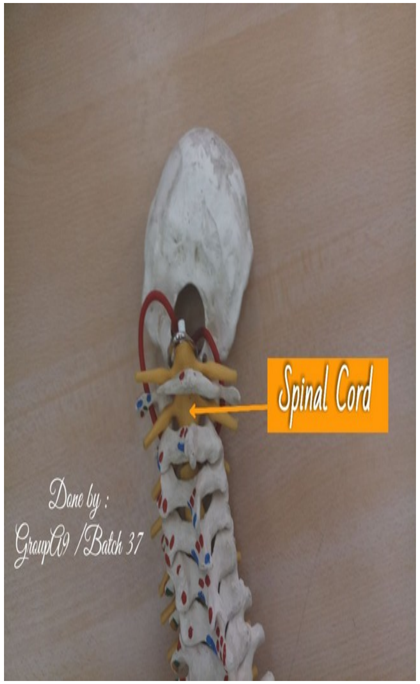

Lamina terminalis
choroid plexus
optic chiasma
Thalamus
Hypothalamus
Hypothalamic sulcus
20
21
25
B
III

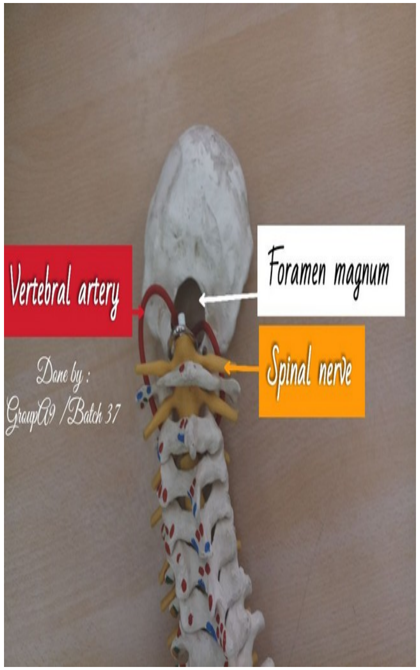

anterior commisure
pineal body
posterior commissure
sup. colliculus
inf. colliculus
cerebral aqueduct
20
21
25
B
III

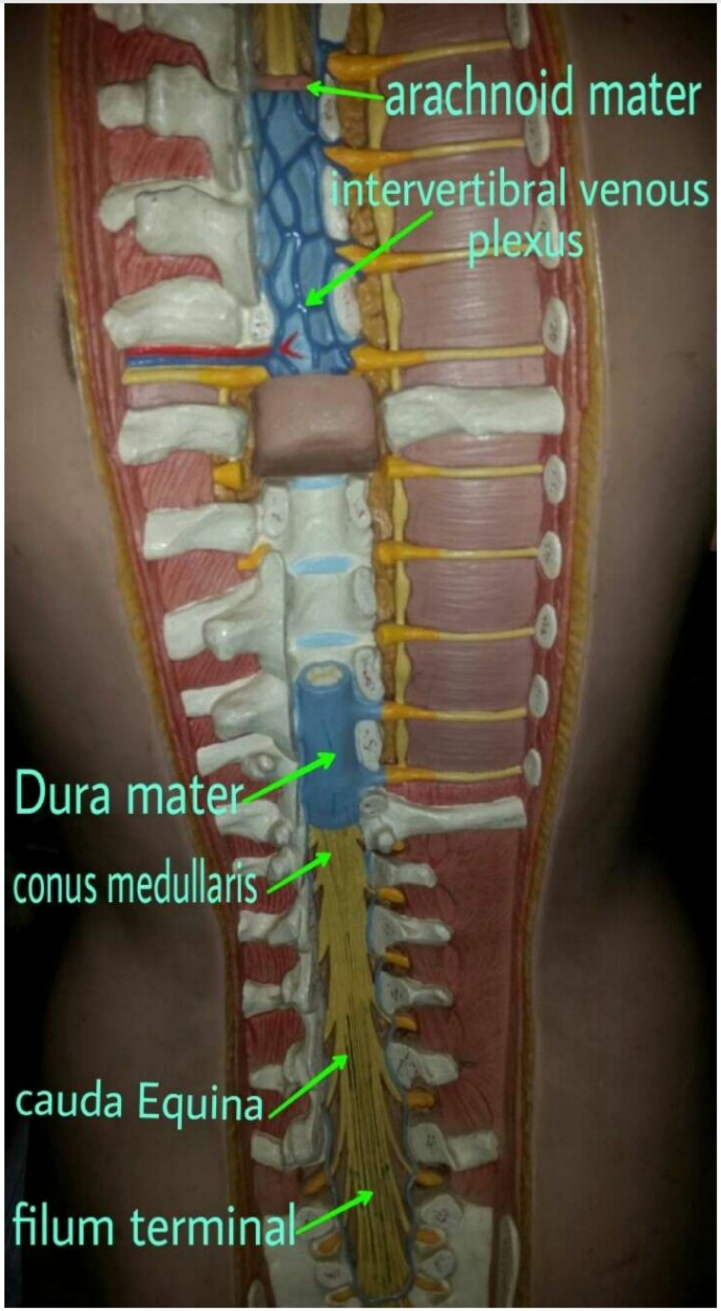
Spinal Cord

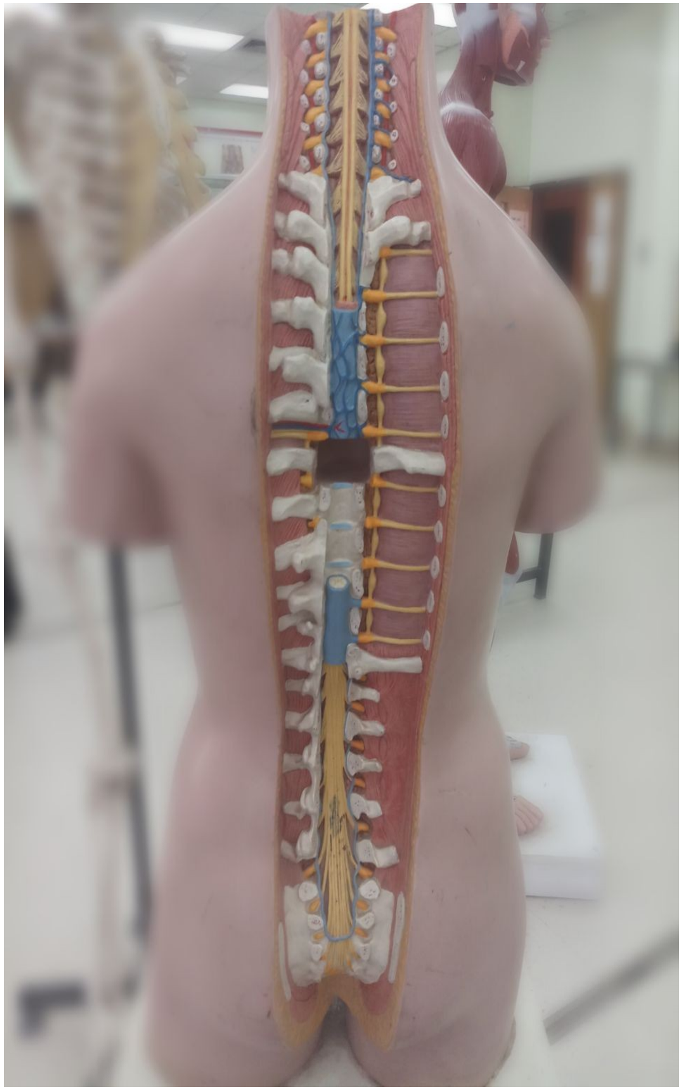
Anatomy Lab

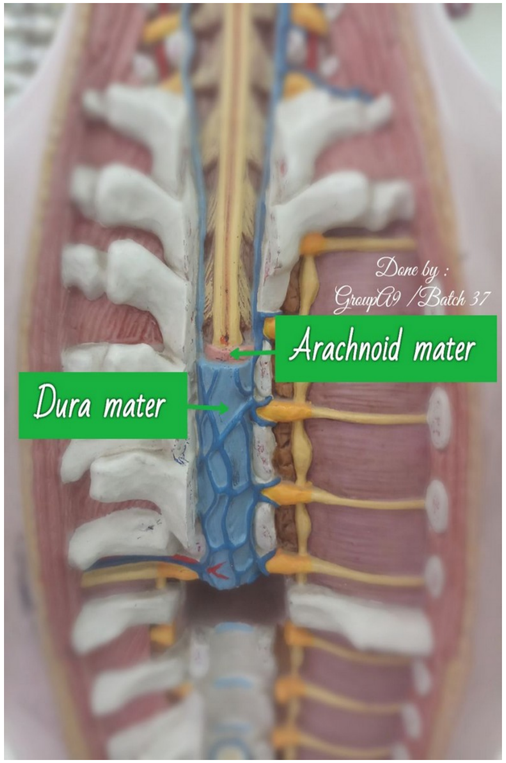

trnsverse
foramena
Spinal
nerves
Done by :
Group A9 / Batch 37

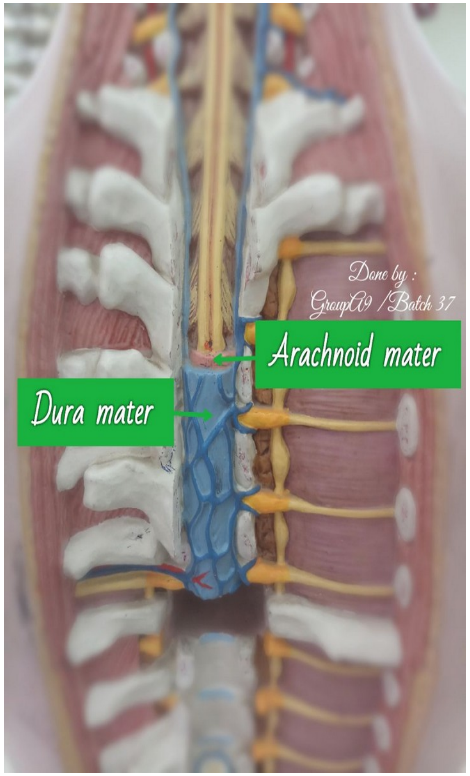

Spinal Cord
Done by :
GroupA9 /Batch 37

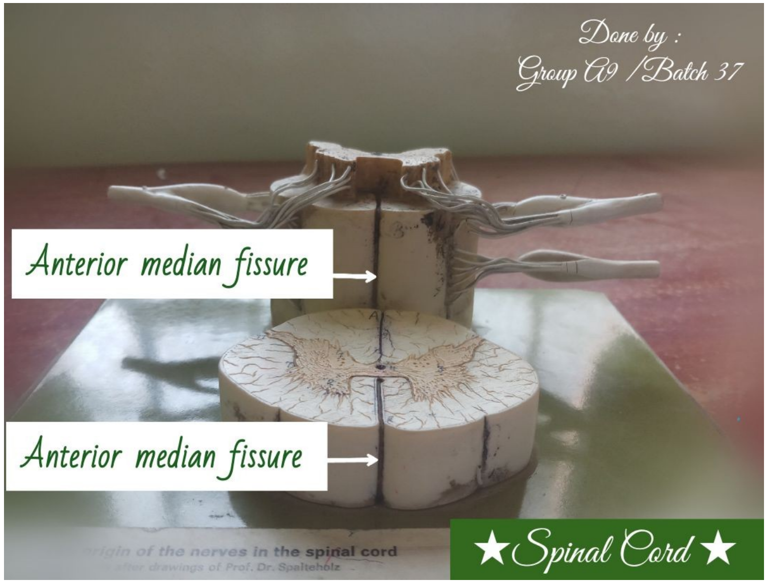

Vertebral artery
Foramen magnum
Spinal nerve
Done by :
GroupA9 /Batch 37

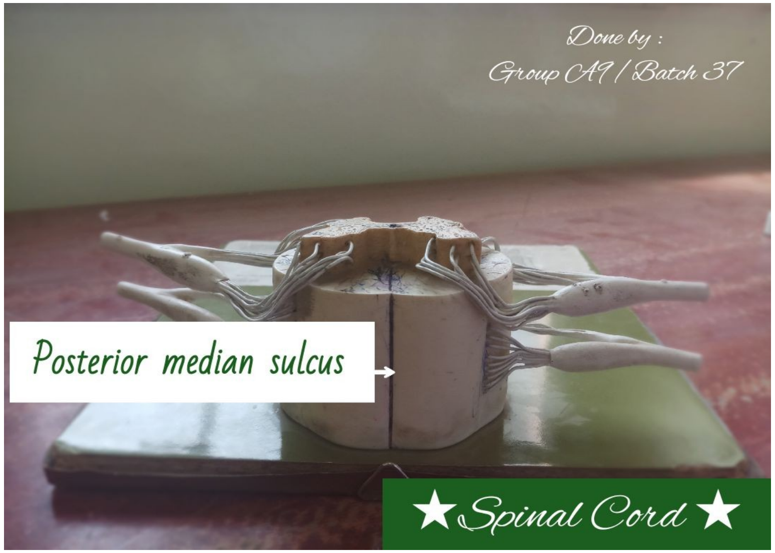

arachnoid mater
intervertibral venous
plexus
Dura mater
conus medullaris
cauda Equina
filum terminal

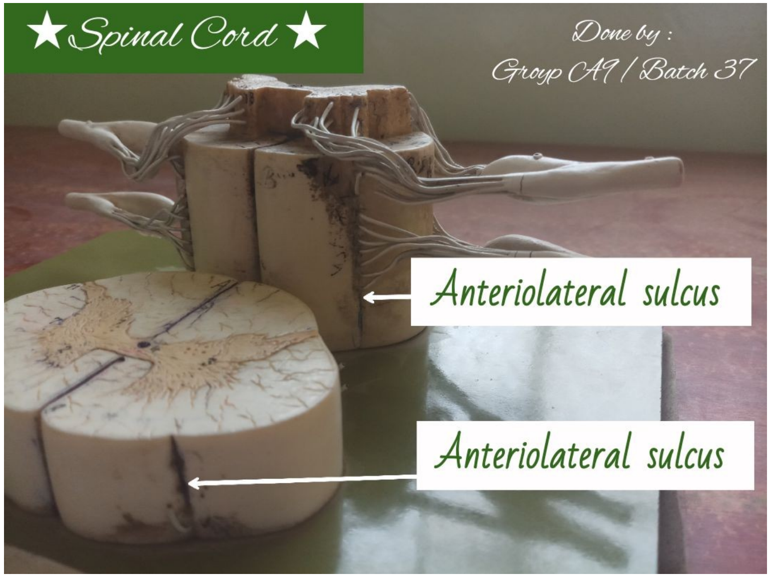


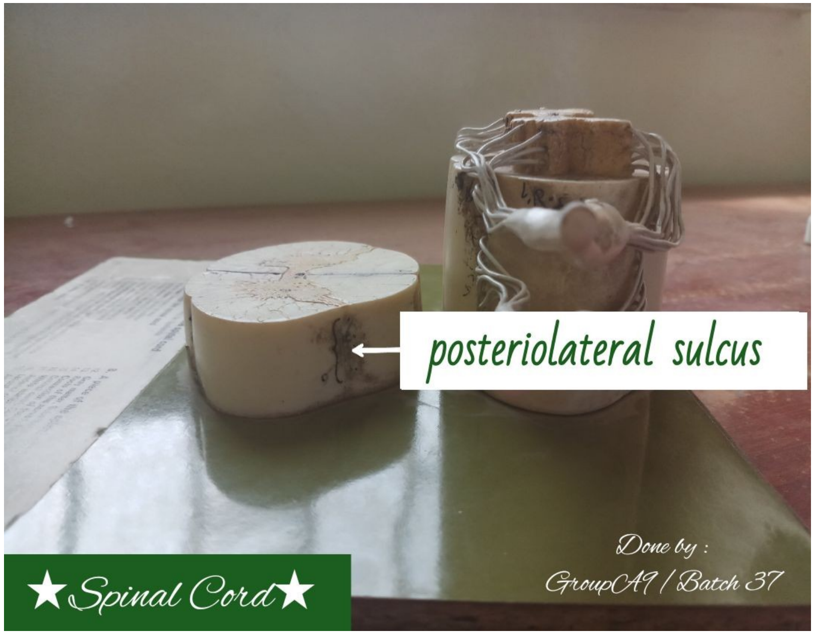

Done by :
GroupA9 /Batch 37
Arachnoid mater
Dura mater

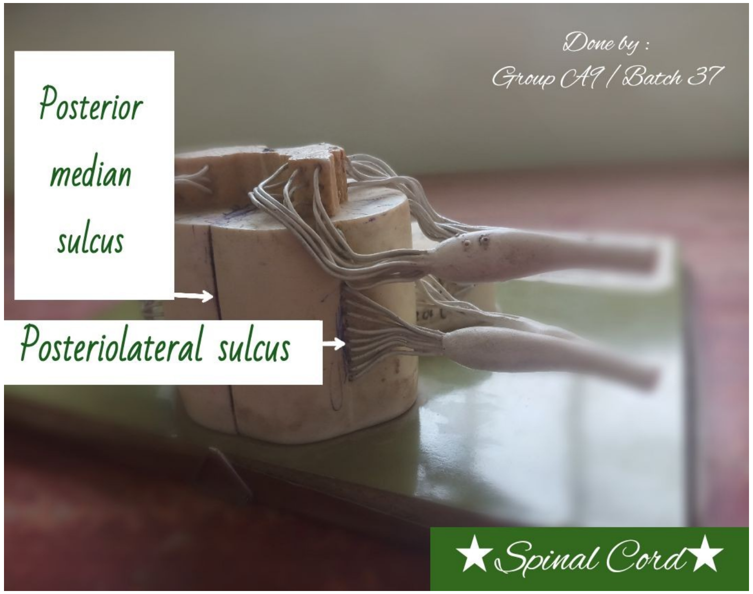

Done by :
GroupA9 /Batch 37
Arachnoid mater
Dura mater

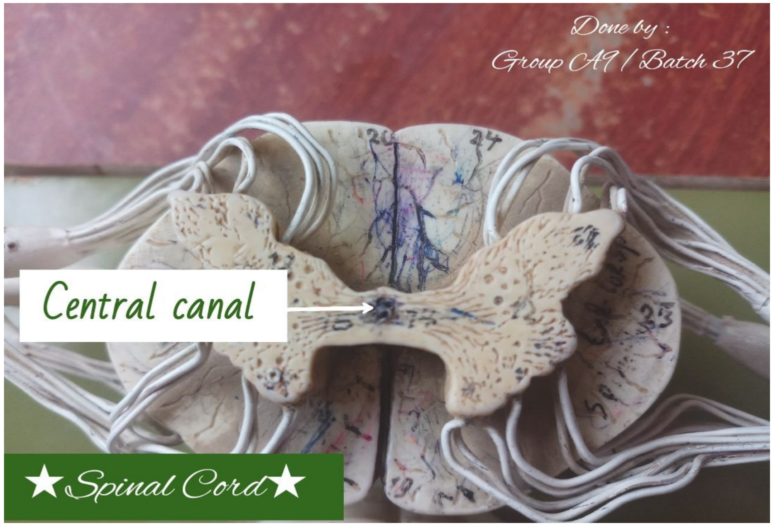

Done by :
Group A9 / Batch 37
Anterior median fissure
Anterior median fissure
Origin of the nerves in the spinal cord
after drawings of Prof. Dr. Spalteholz
★Spinal Cord★

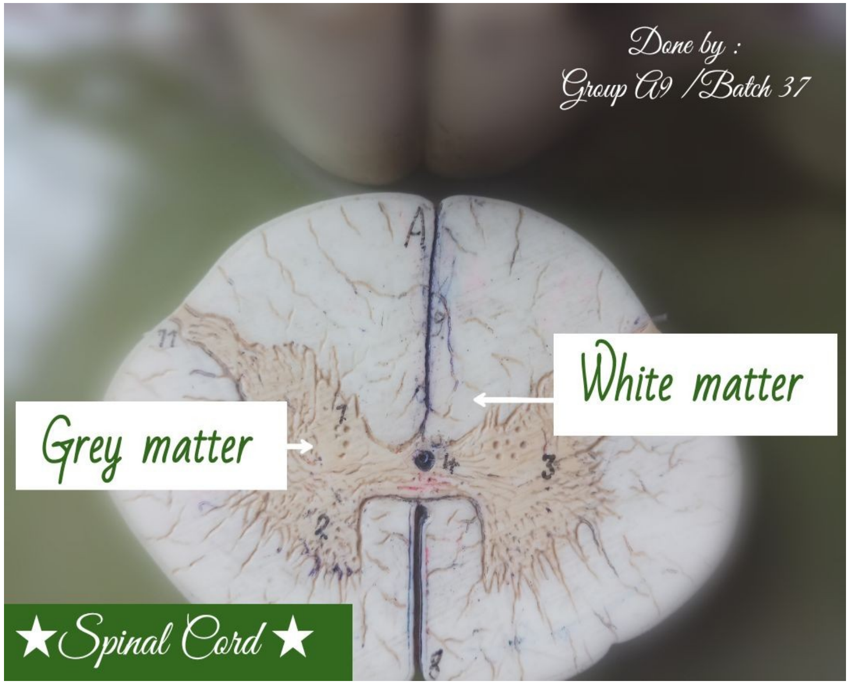

Done by :
Group A9 / Batch 37
Posterior median sulcus
★Spinal Cord★

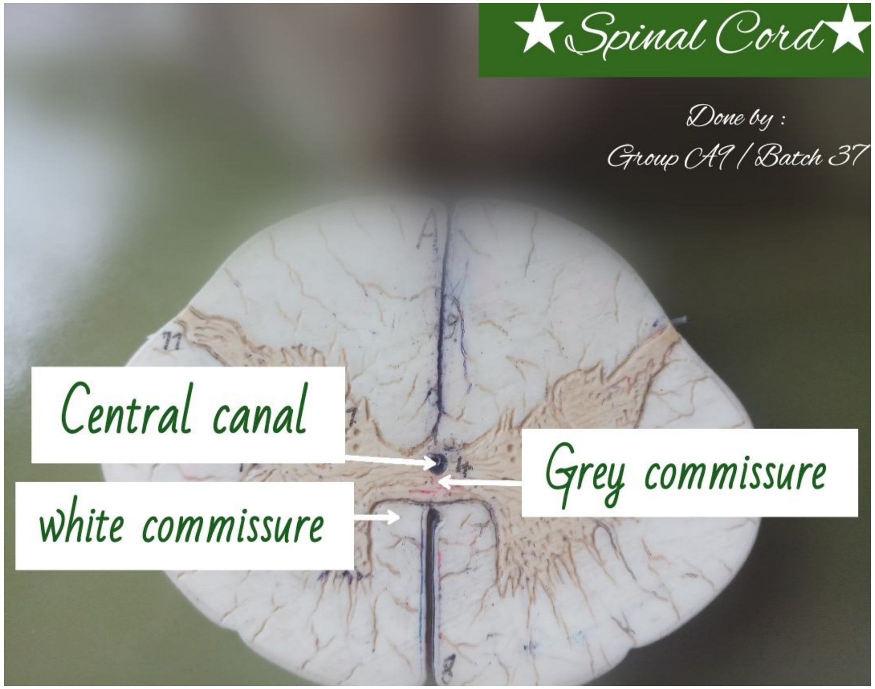

★Spinal Cord★
Done by :
Group A9 / Batch 37
Anteriolateral sulcus
Anteriolateral sulcus

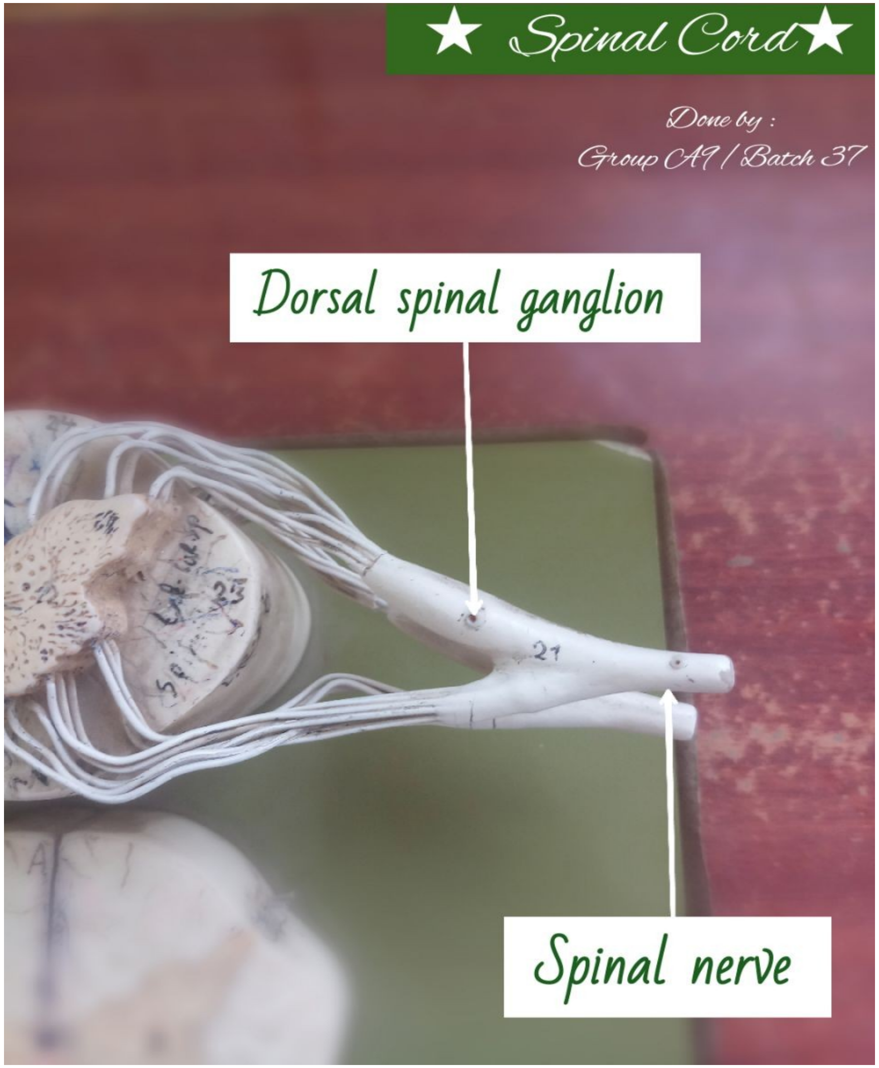

posteriolateral sulcus
Done by :
GroupA9 / Batch 37
★Spinal Cord★

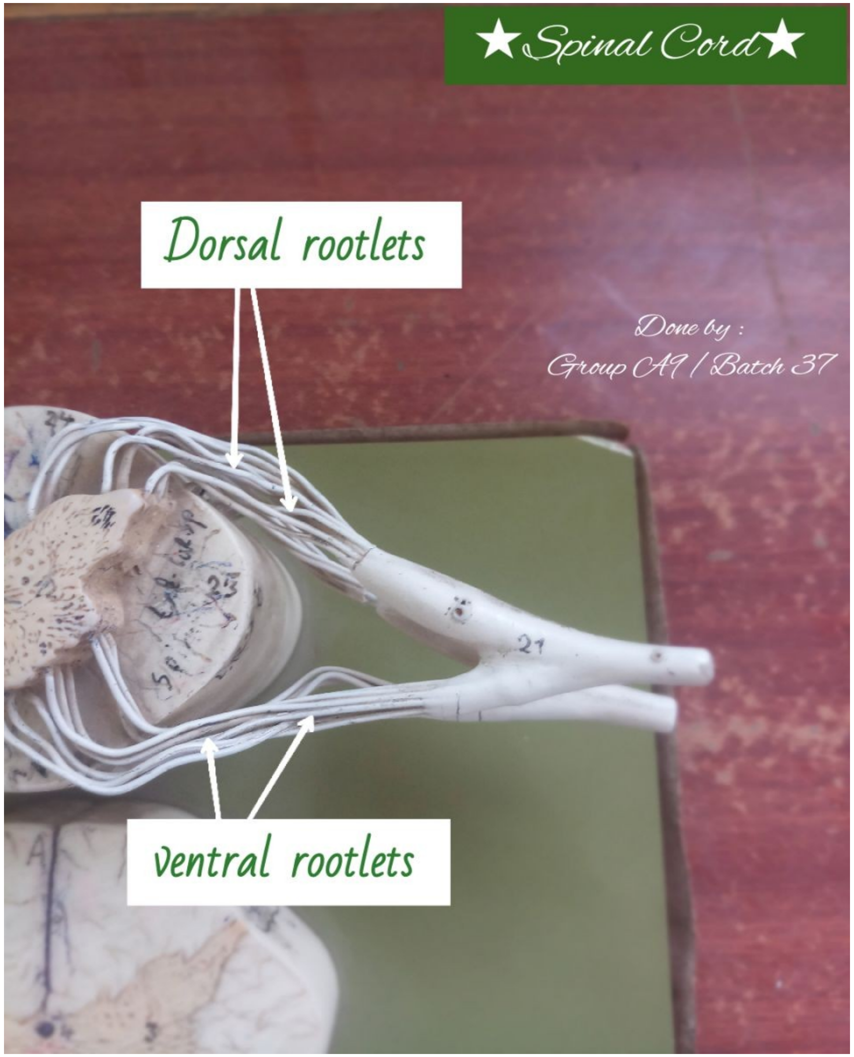

Done by :
Group A9 / Batch 37
Posterior median sulcus
Posteriolateral sulcus
★Spinal Cord★


Done by :
Group A9 / Batch 37
Central canal
★Spinal Cord★


Done by :
Group A9 / Batch 37
White matter
Grey matter
★Spinal Cord★

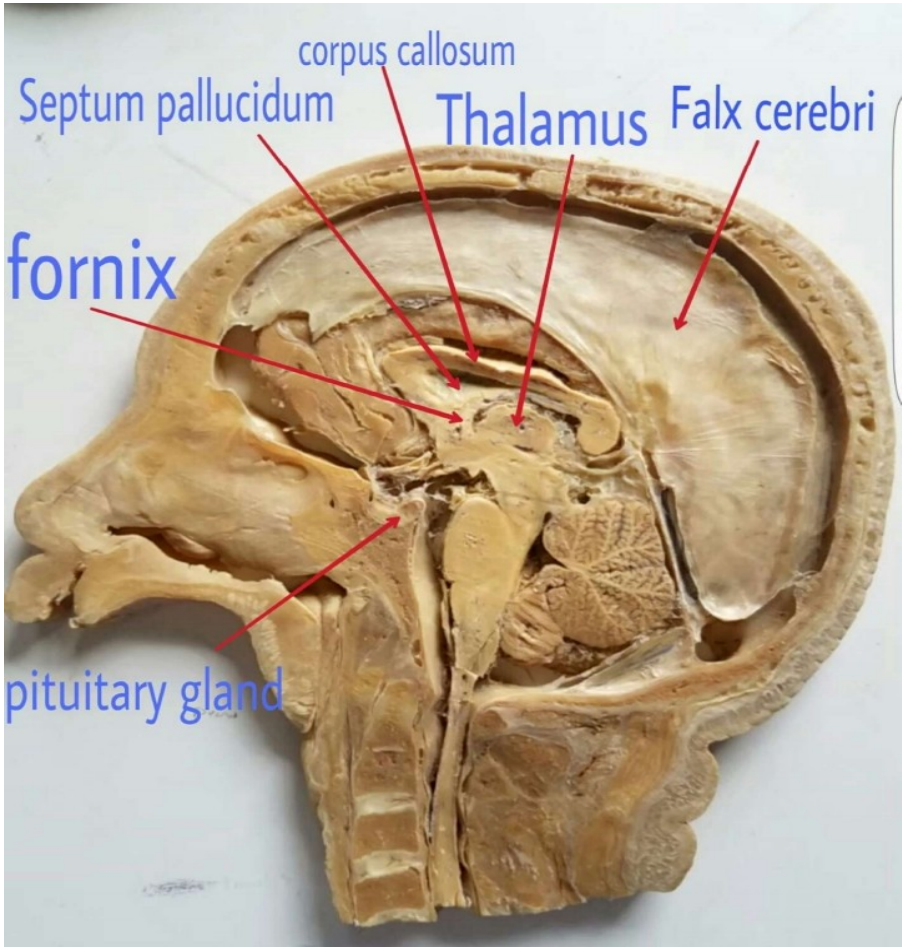

★Spinal Cord★
Done by :
Group A9 / Batch 37
Central canal
Grey commissure
white commissure

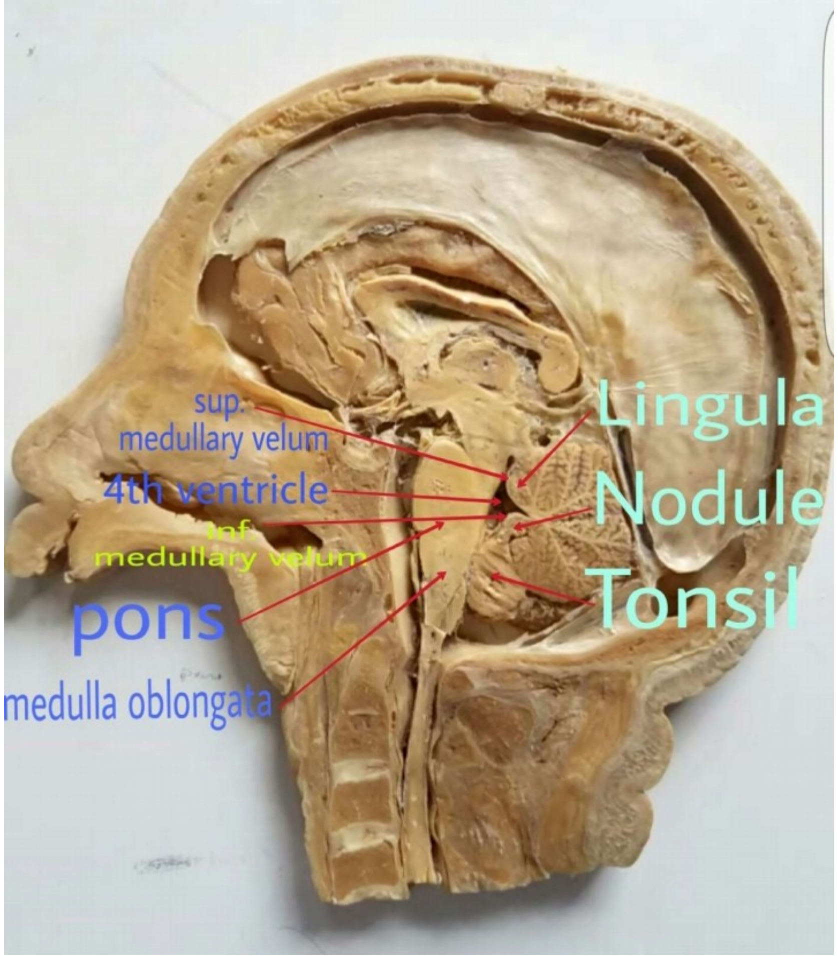

★ Spinal Cord ★
Done by :
Group CA9 / Batch 37
Dorsal spinal ganglion
Spinal nerve
21
24

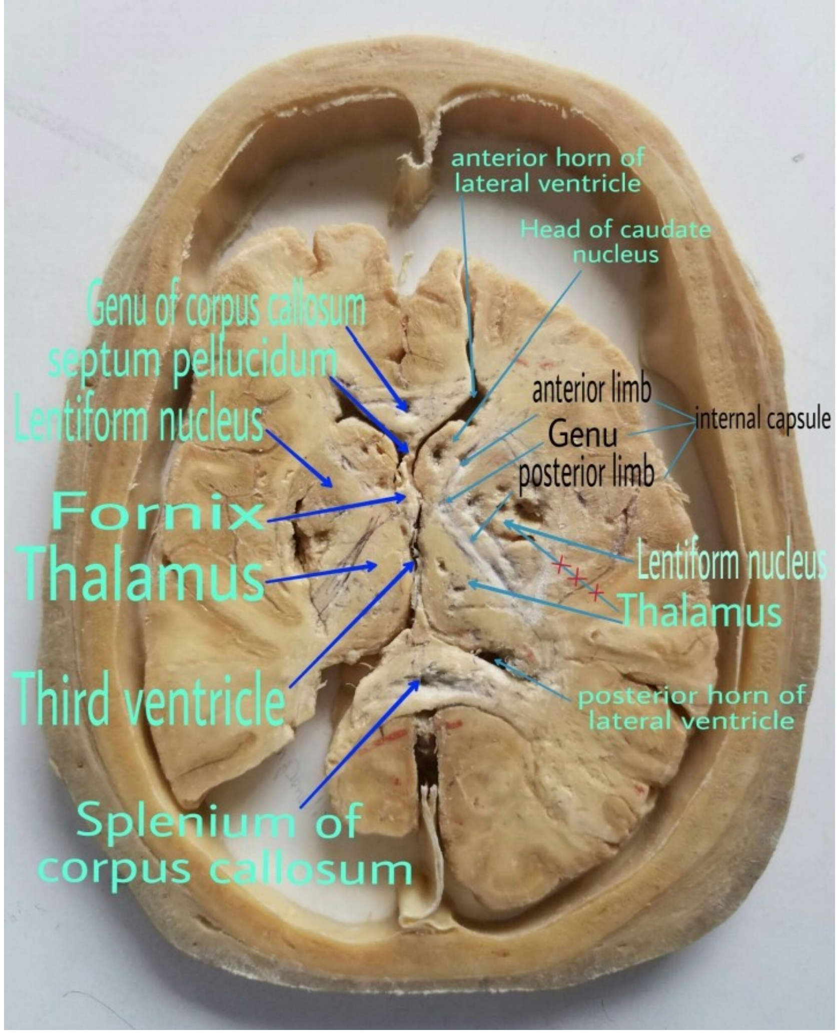

★ Spinal Cord ★
Done by :
Group CA9 / Batch 37
Dorsal rootlets
ventral rootlets
21
24

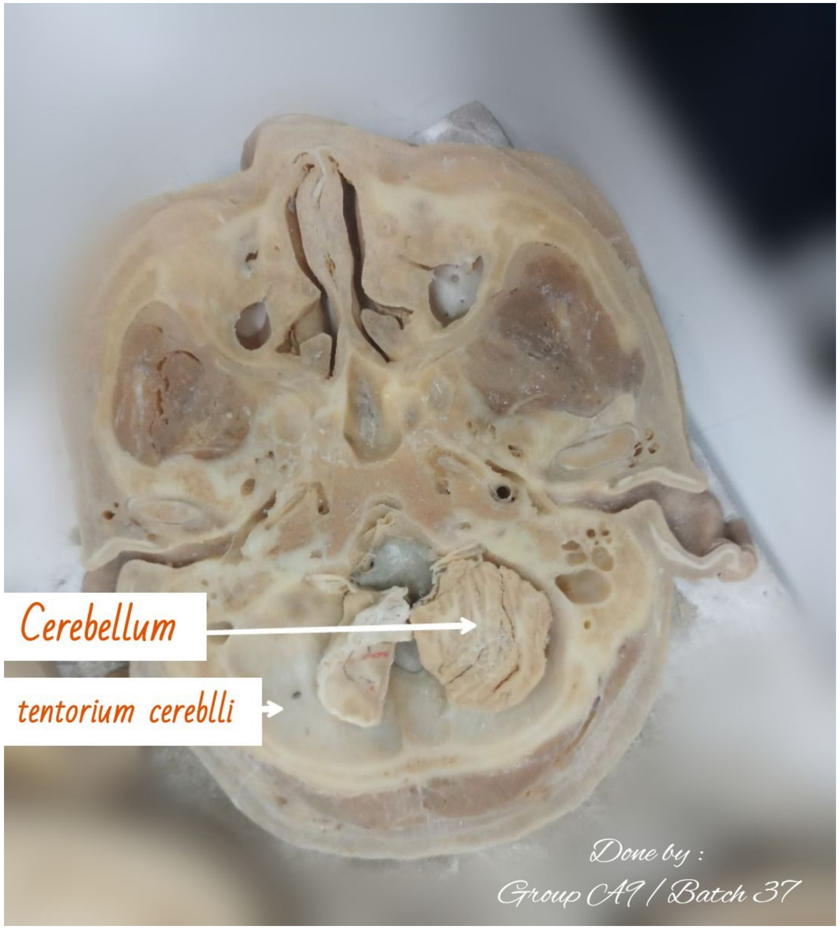
CADAVERS

Anatomy Lab

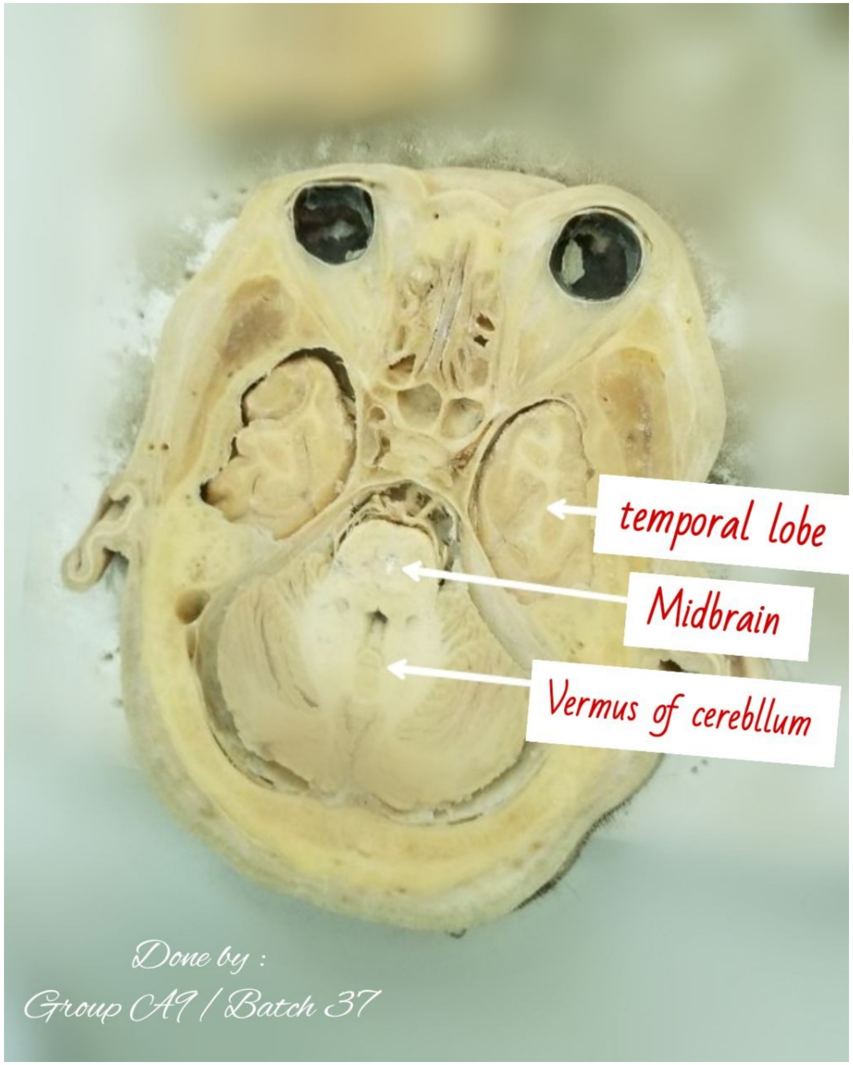

corpus callosum
Septum pallucidum
Thalamus
Falx cerebri
fornix
pituitary gland

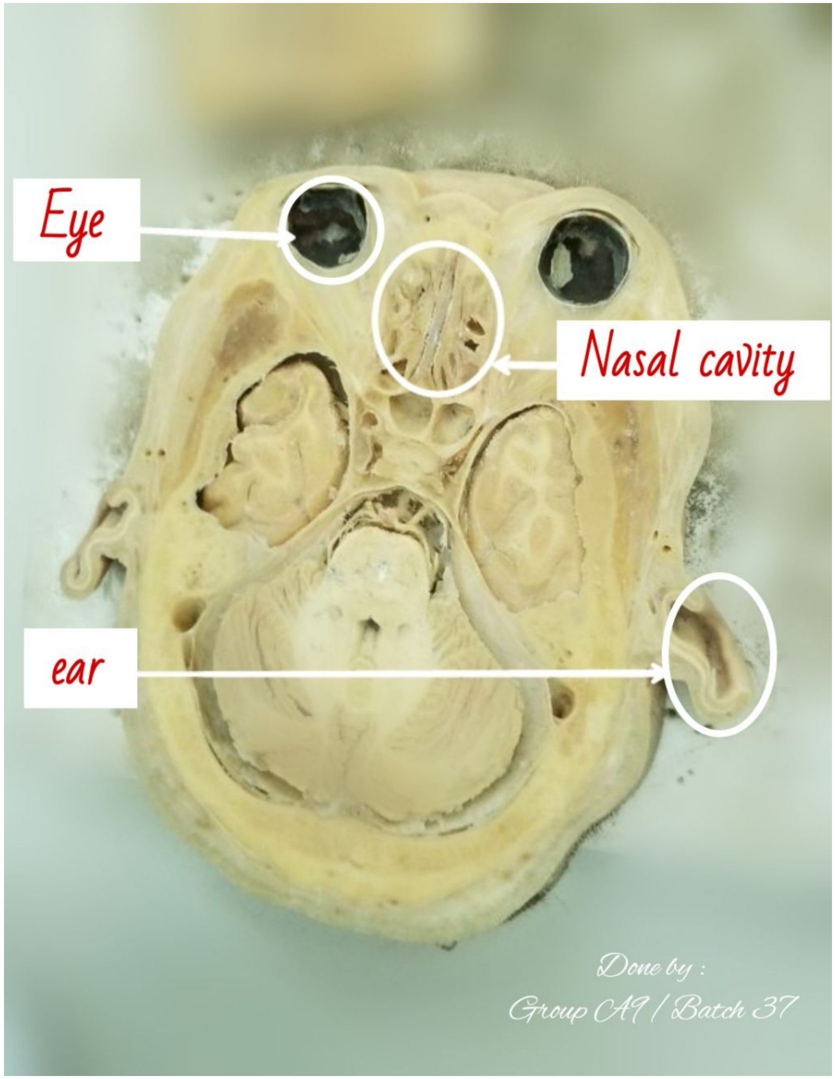

sup. medullary velum
Lingula
4th ventricle
Nodule
Inf. medullary velum
Tonsil
pons
medulla oblongata

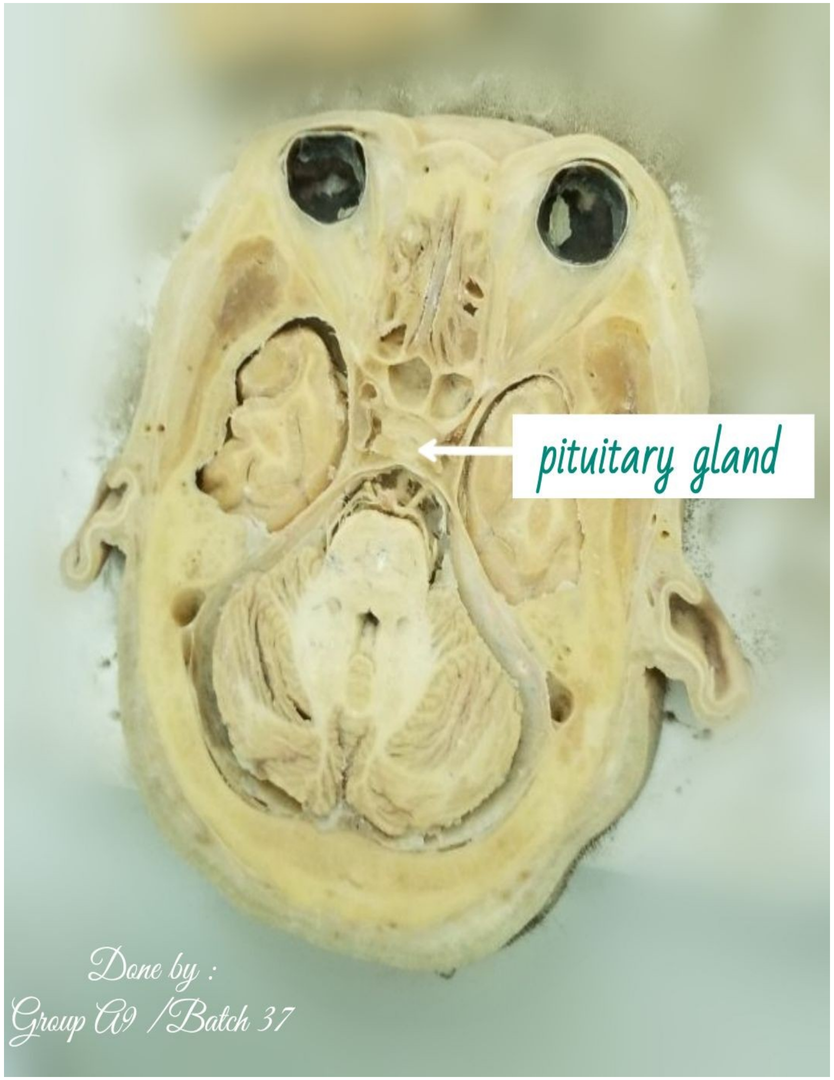

anterior horn of lateral ventricle
Head of caudate nucleus
Genu of corpus callosum
septum pellucidum
Lentiform nucleus
anterior limb
Genu
posterior limb
internal capsule
Fornix
Thalamus
Lentiform nucleus
Thalamus
Third ventricle
posterior horn of lateral ventricle
Splenium of corpus callosum


Cerebellum
tentorium cereblli

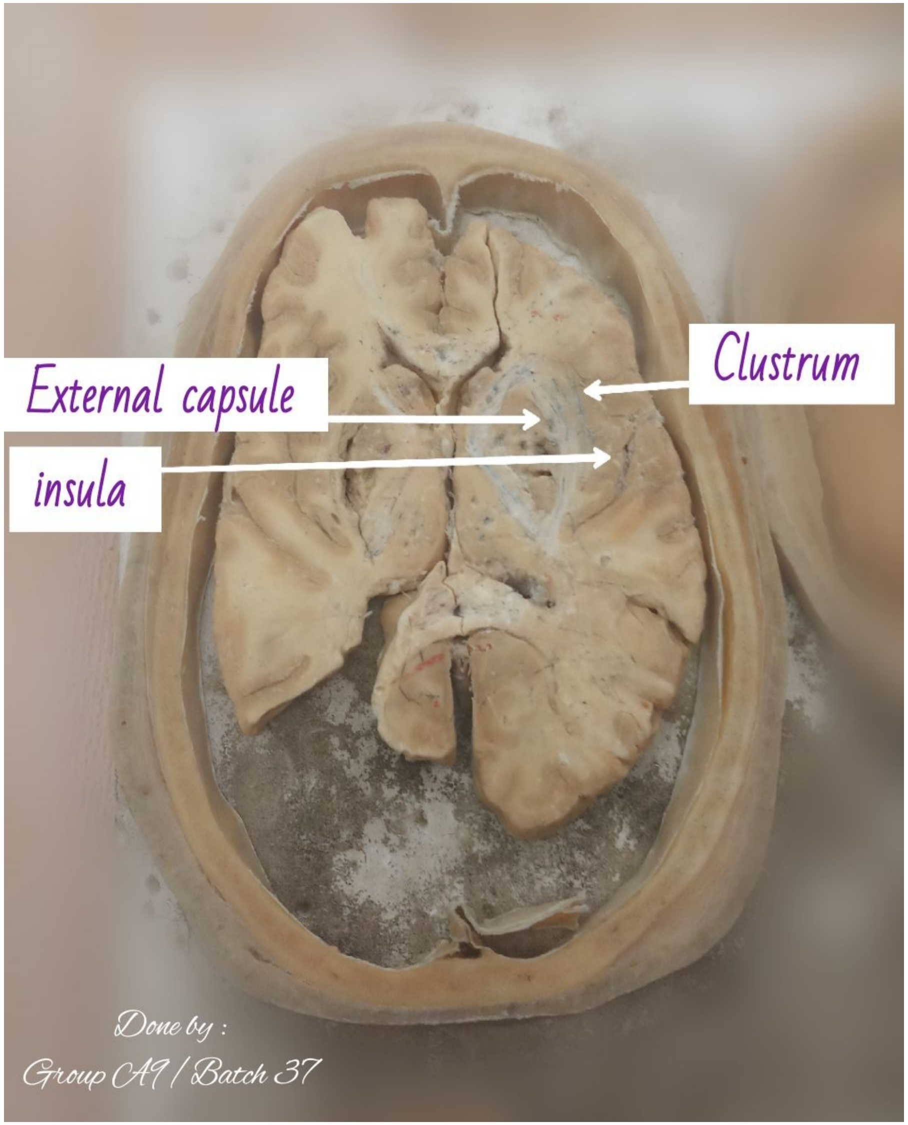
Done by :
Group CA9 / Batch 37


temporal lobe
Midbrain
Vermus of cerebllum
Done by :
Group CA9 / Batch 37

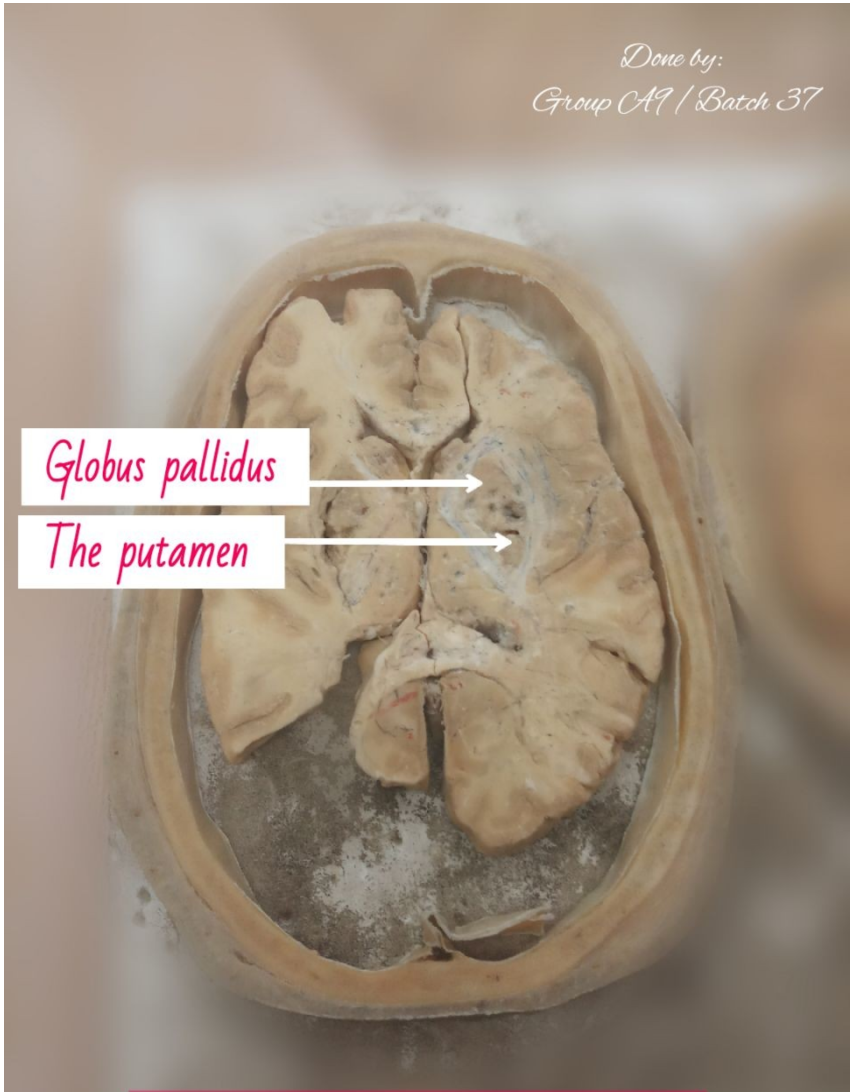

Eye
Nasal cavity
ear
Done by :
Group CA9 / Batch 37


pituitary gland

Done by :
Group A9 / Batch 37

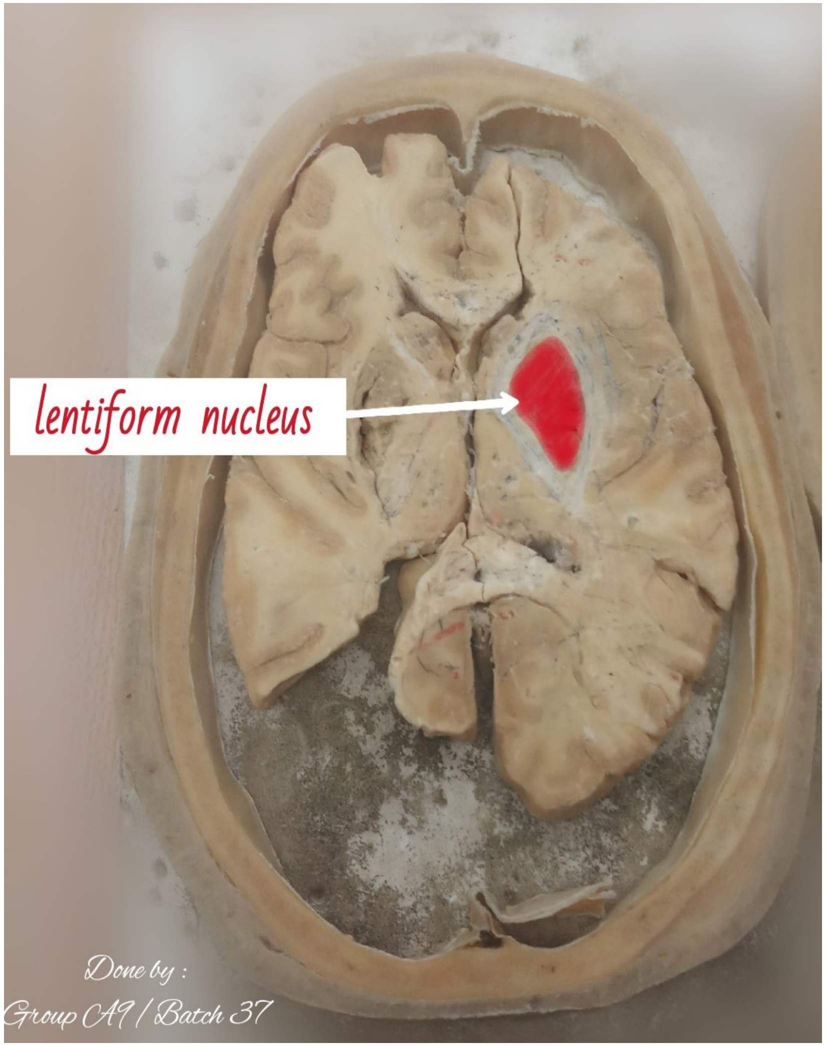

External capsule
Clustrum
insula

Done by :
Group A9 / Batch 37

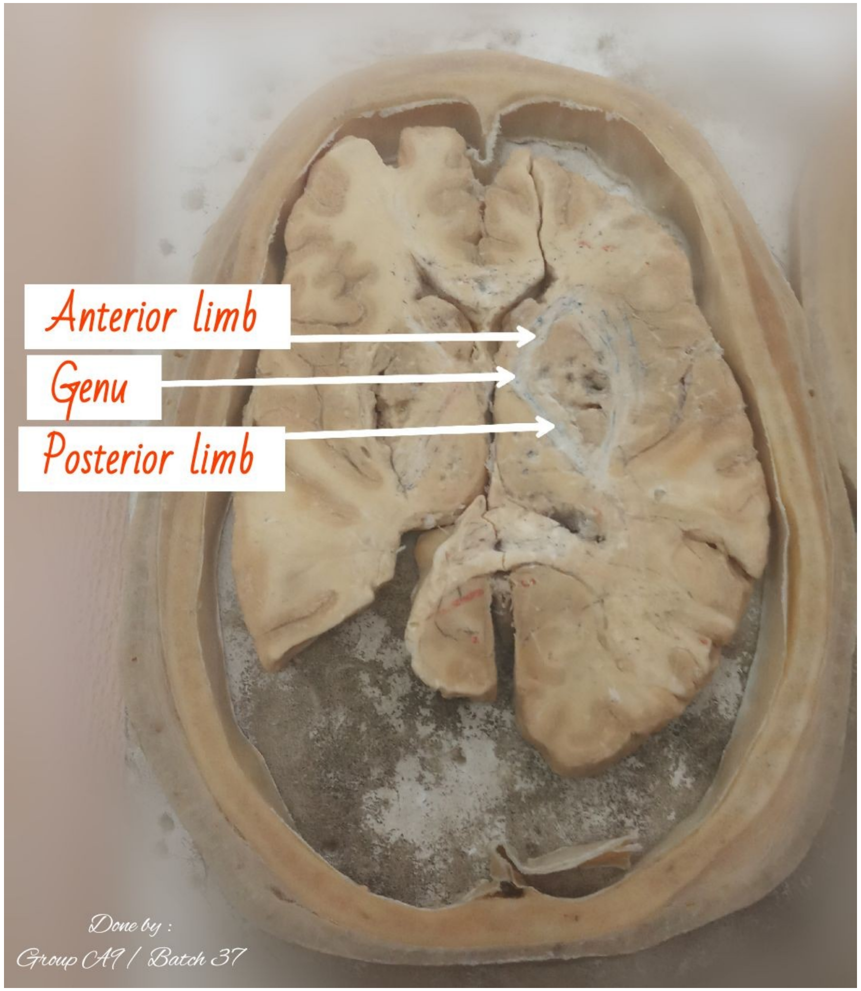

Globus pallidus
The putamen

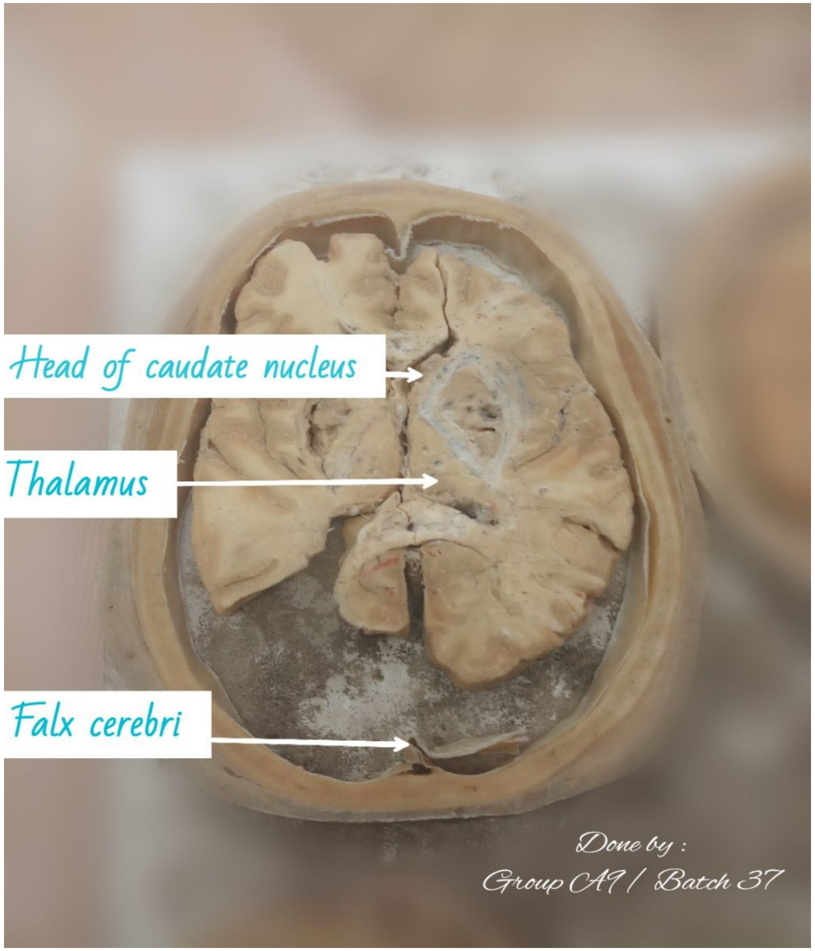
Done by:
Group A9 / Batch 37

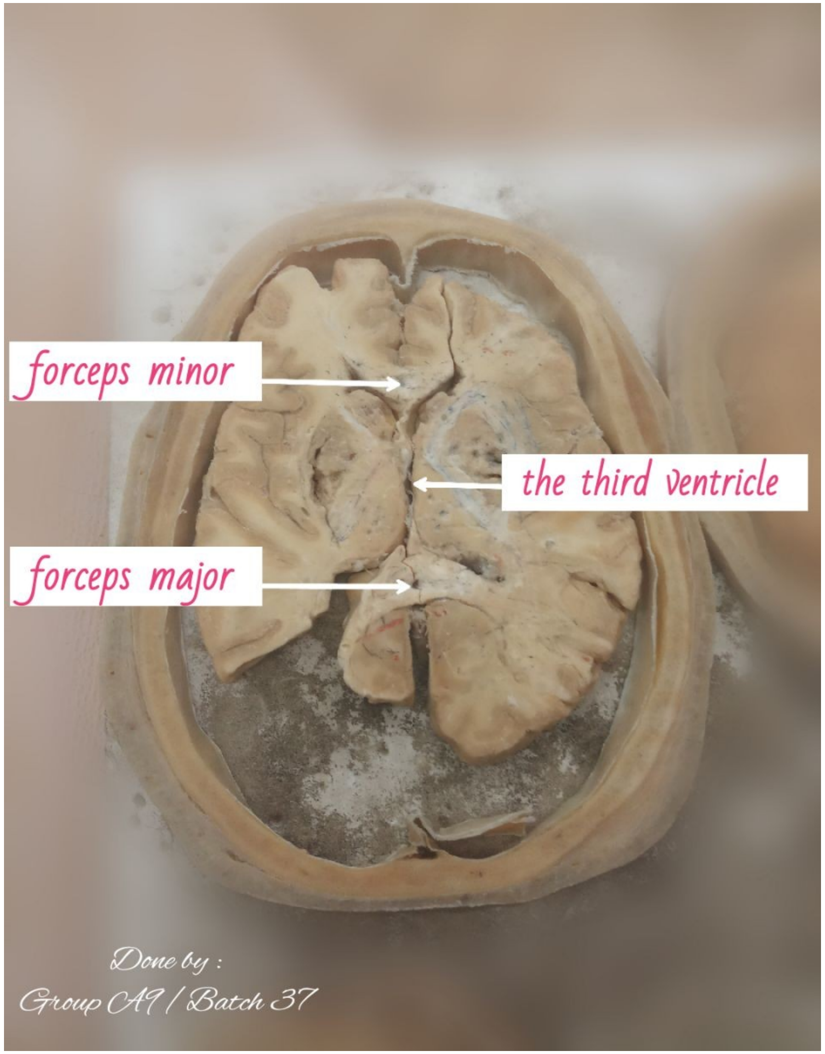
Parts of lentiform nucleus


lentiform nucleus

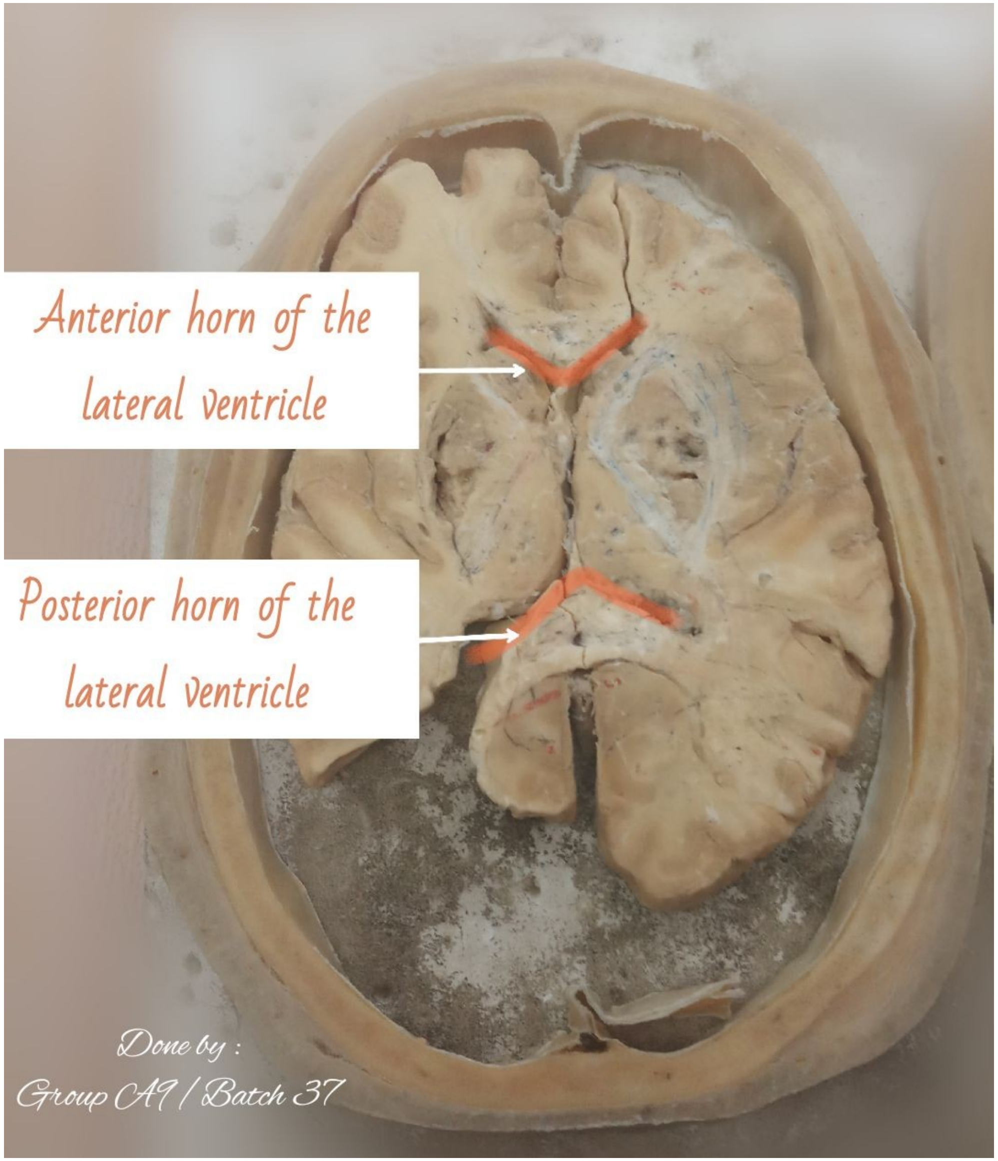
Done by :
Group A9 / Batch 37


Anterior limb
Genu
Posterior limb
Done by :
Group CA9 / Batch 37

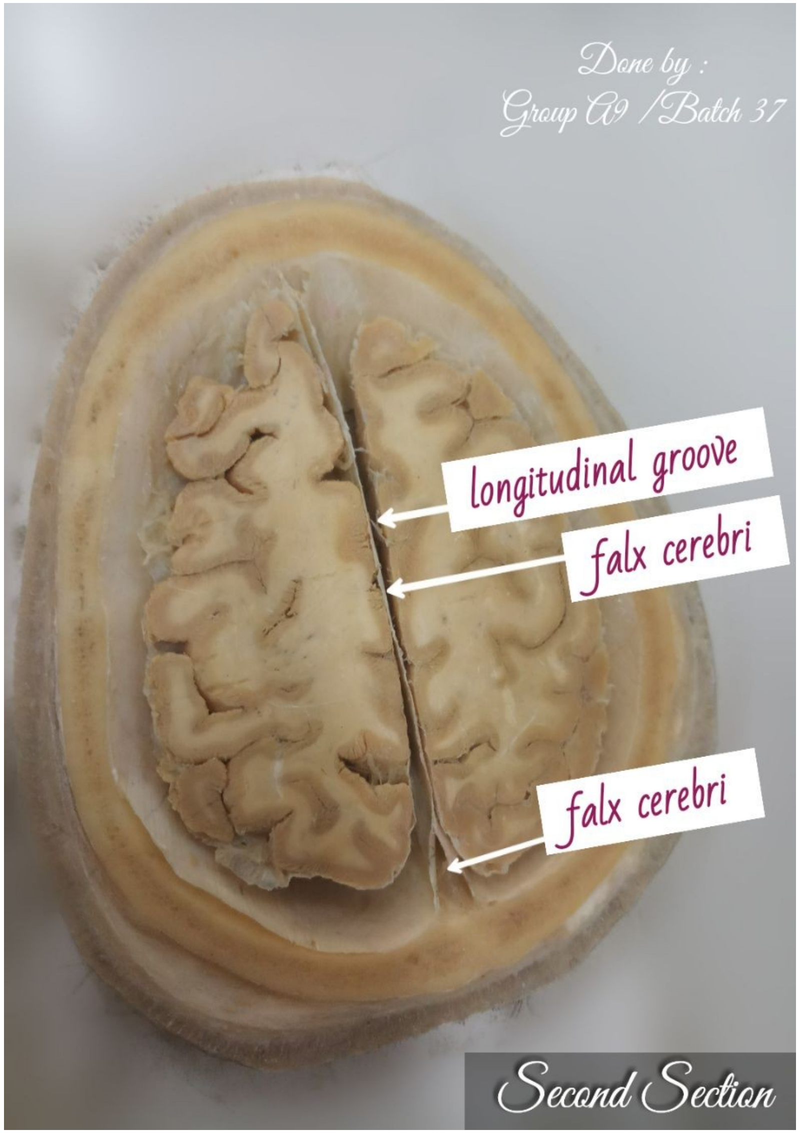

Head of caudate nucleus
Thalamus
Falx cerebri
Done by :
Group CA9 / Batch 37

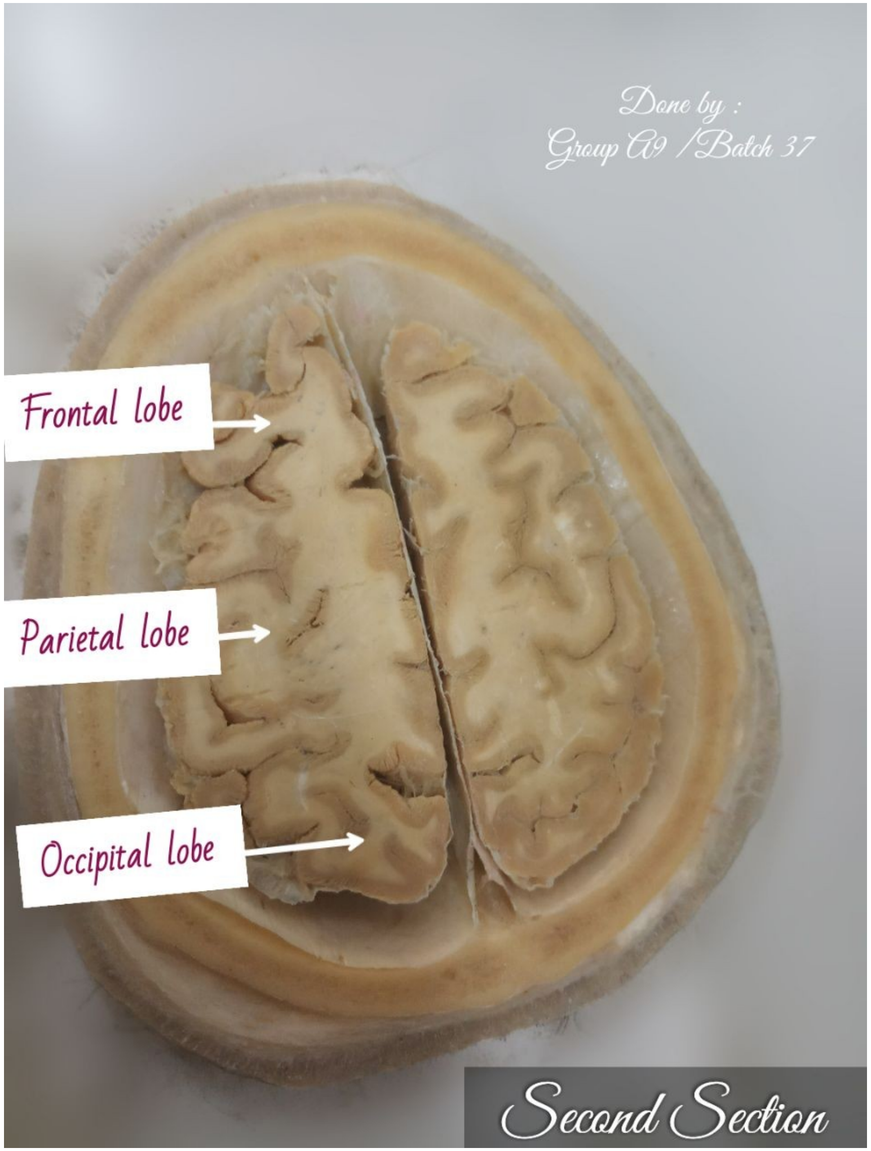

forceps minor
the third ventricle
forceps major

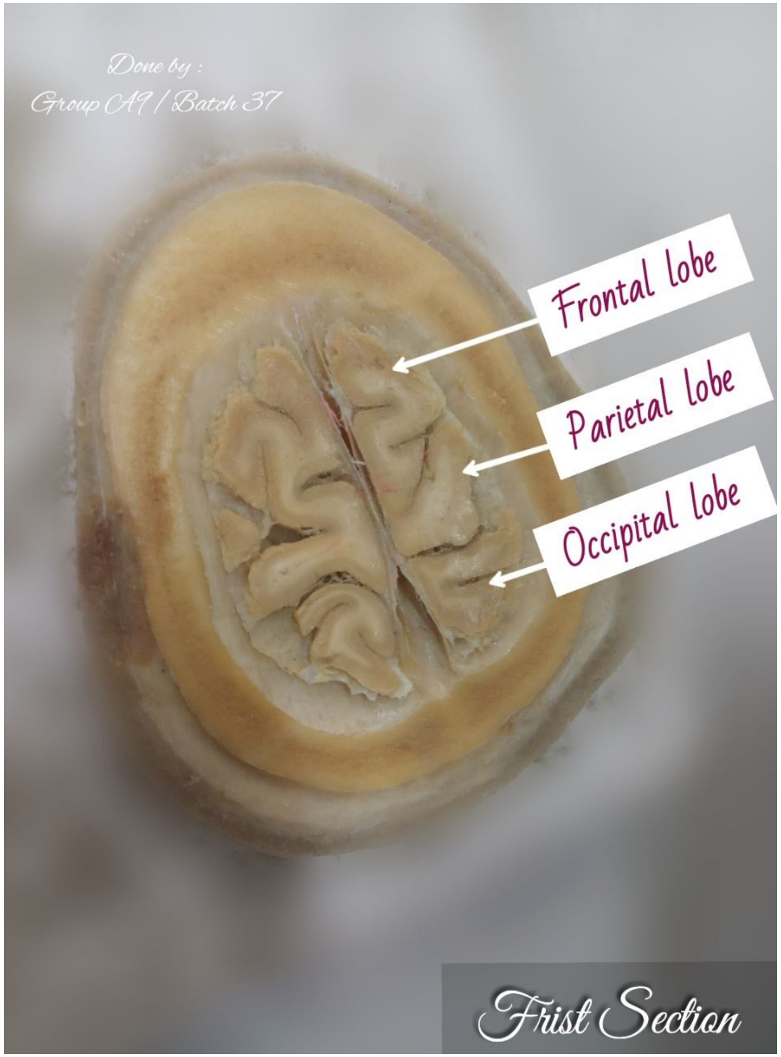
Done by :
Group A9 / Batch 37


Anterior horn of the lateral ventricle
Posterior horn of the lateral ventricle

Done by :
Group A9 / Batch 37

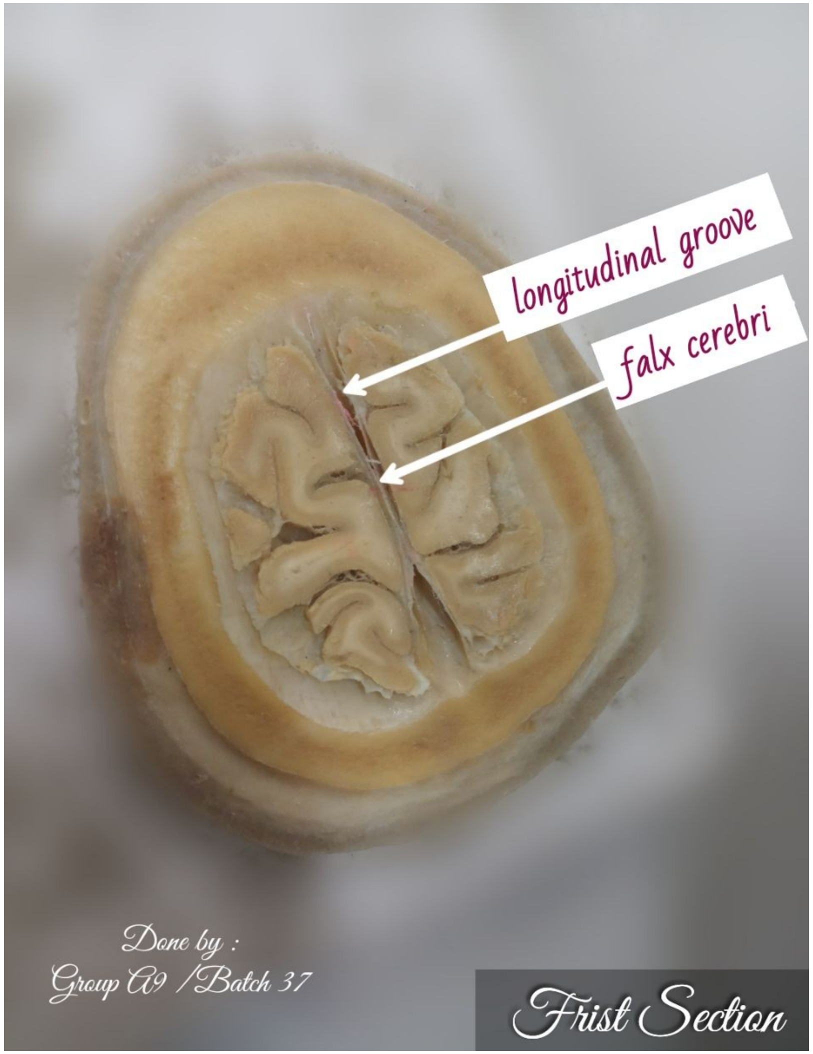

Done by :
Group A9 /Batch 37
longitudinal groove
falx cerebri
falx cerebri
Second Section


Done by :
Group A9 /Batch 37
Frontal lobe
Parietal lobe
Occipital lobe
Second Section


Frontal lobe
Parietal lobe
Occipital lobe

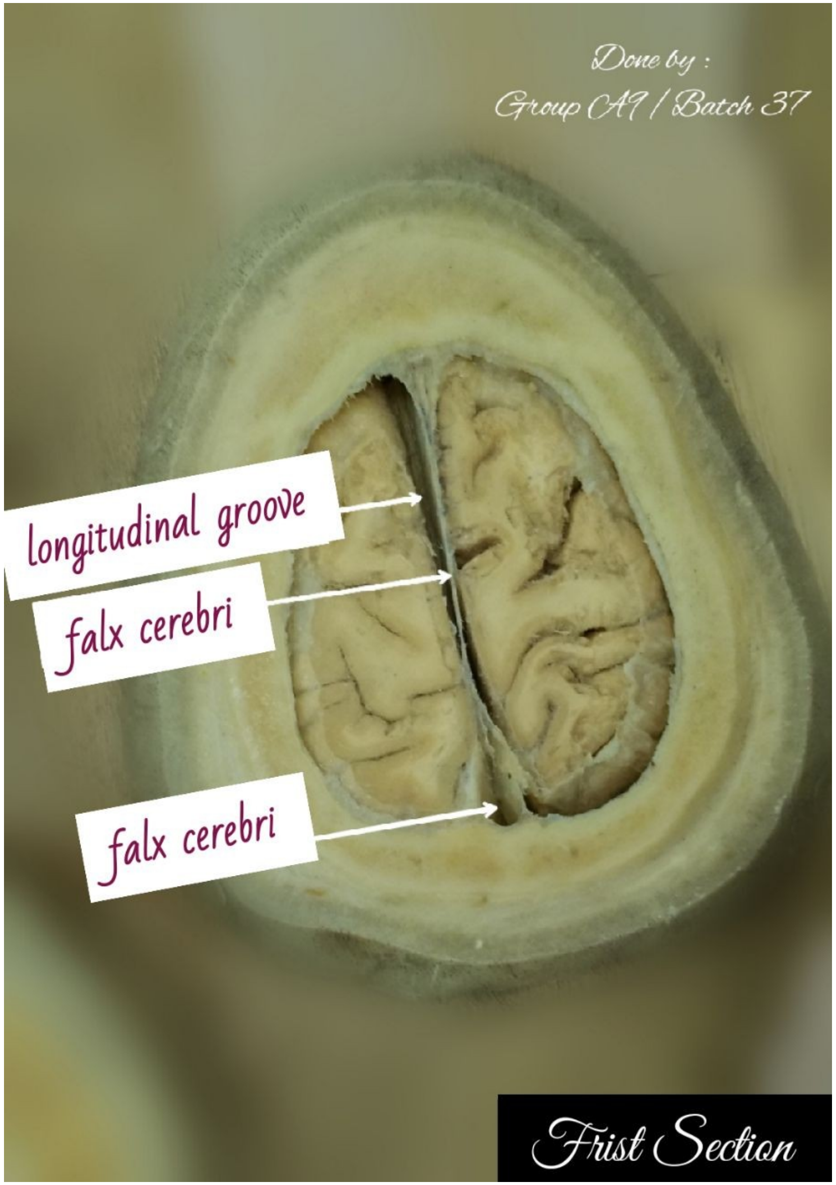
Done by :
Group A9 / Batch 37

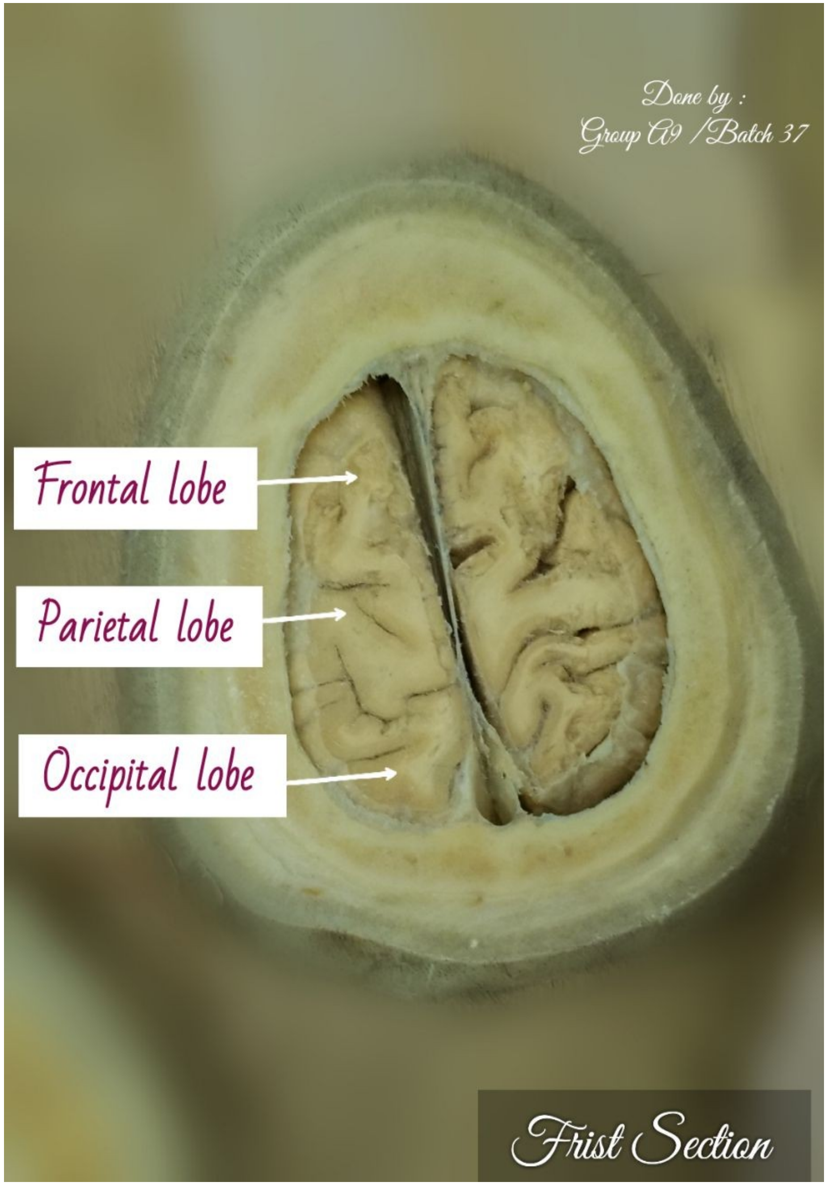
Frist Section

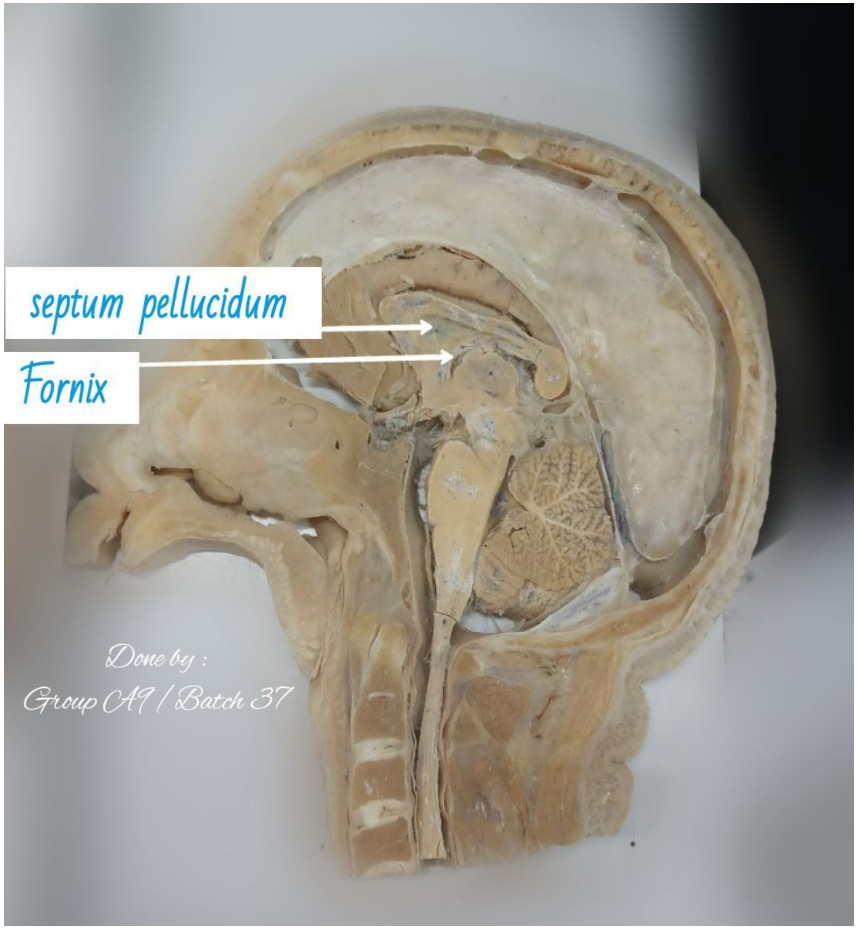

longitudinal groove
falx cerebri

Done by :
Group A9 /Batch 37

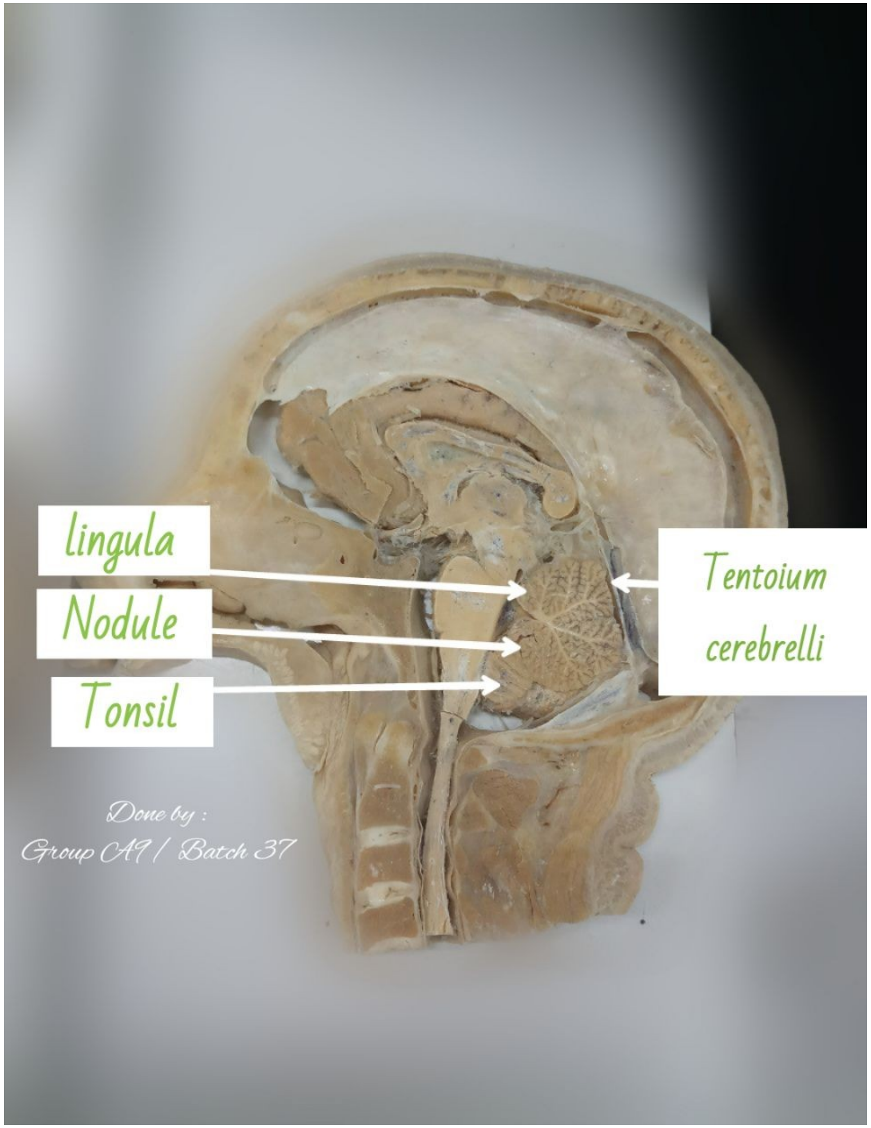
Frist Section


Done by :
Group A9 / Batch 37
longitudinal groove
falx cerebri
falx cerebri
Frist Section

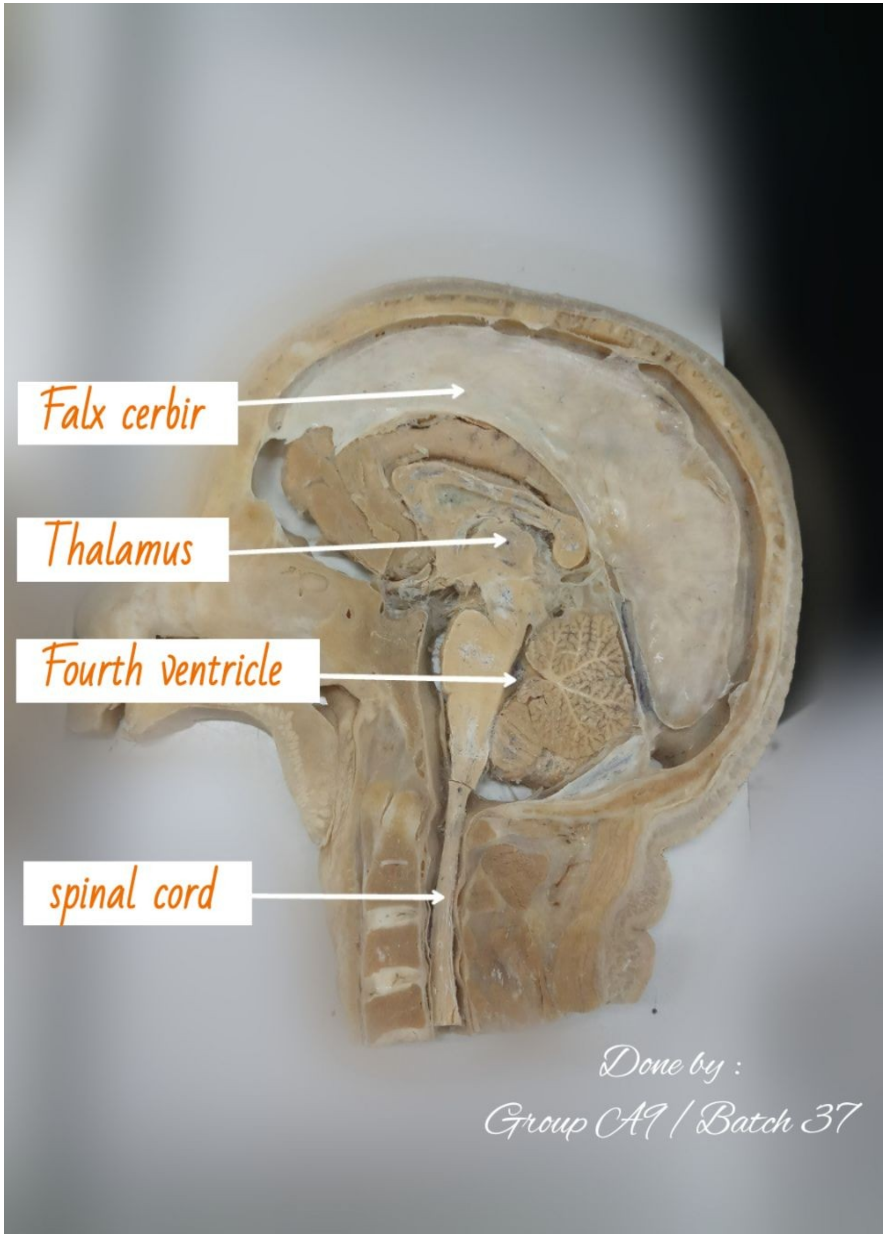

Done by :
Group A9 / Batch 37
Frontal lobe
Parietal lobe
Occipital lobe
Frist Section


septum pellucidum
Fornix

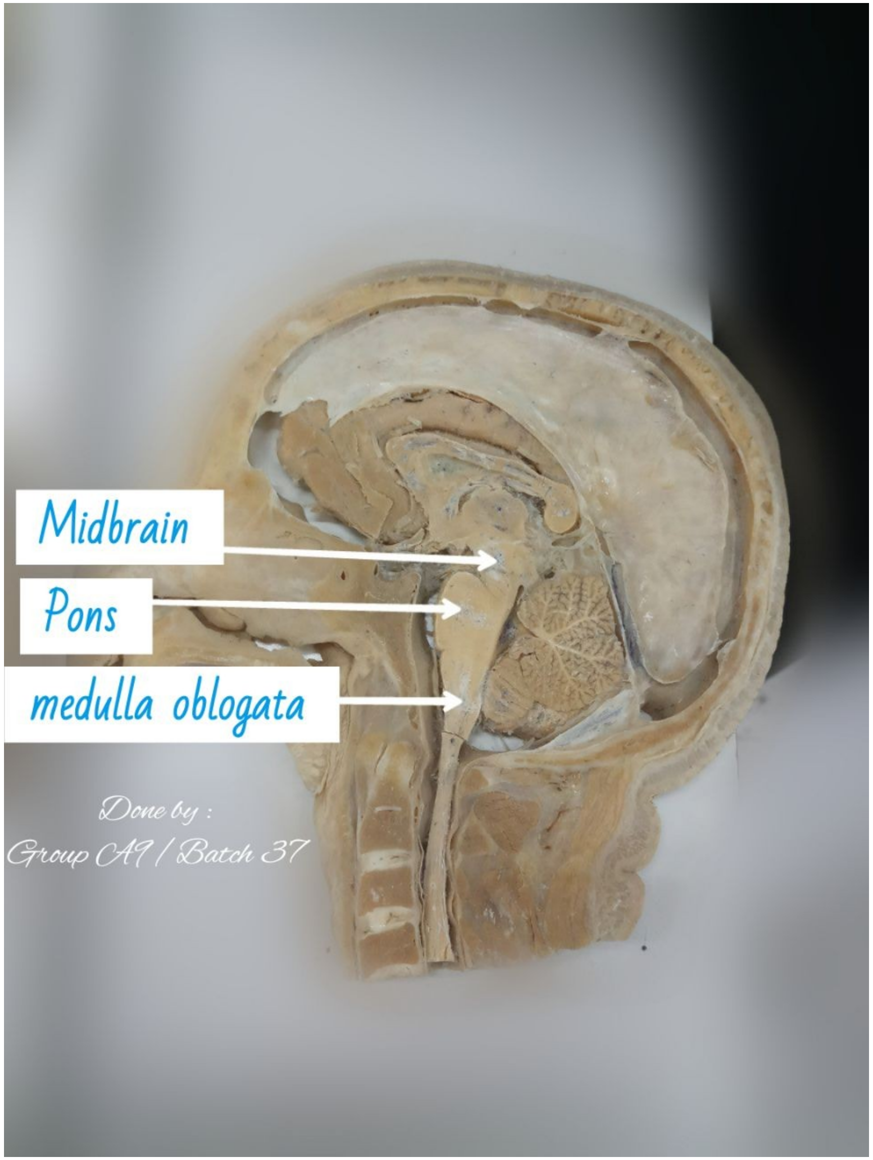
Done by :
Group A9 / Batch 37


lingula
Nodule
Tonsil
Tentoium cerebrelli

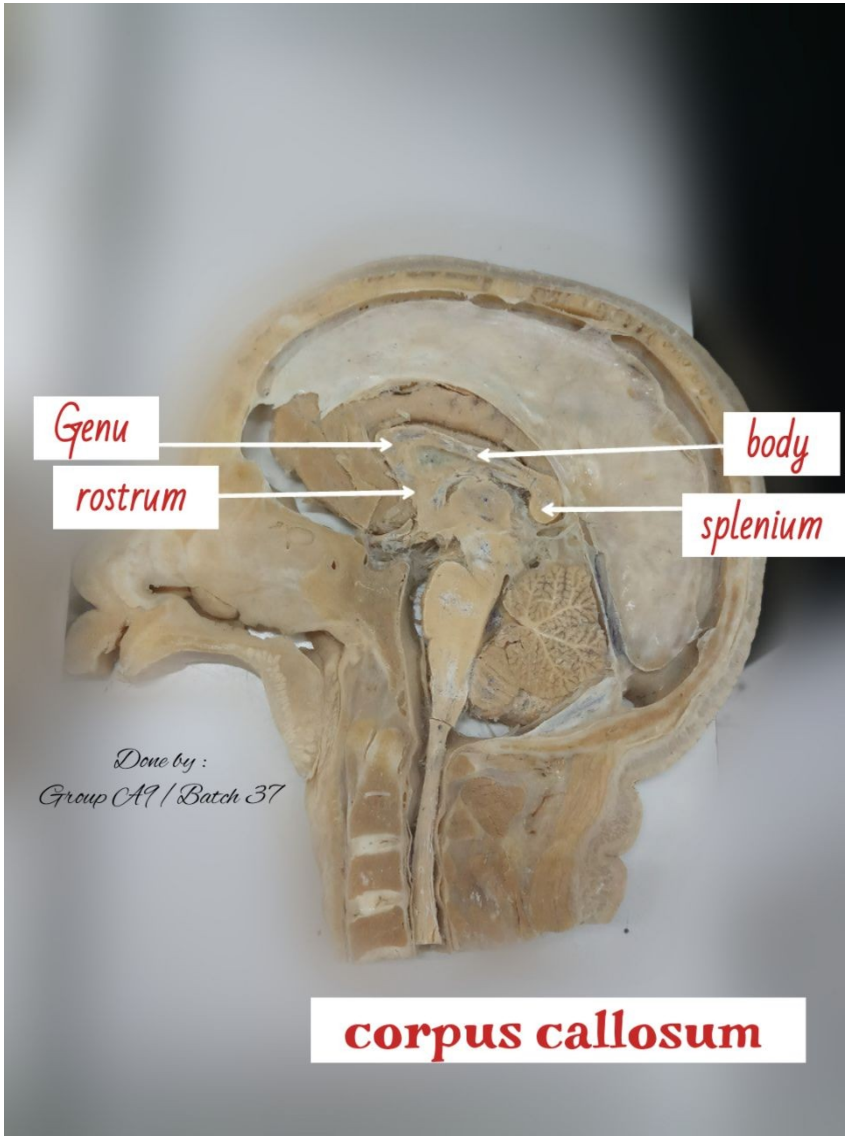
Done by :
Group A9 / Batch 37


Falx cerbir
Thalamus
Fourth ventricle
spinal cord

Done by :
Group CA9 / Batch 37

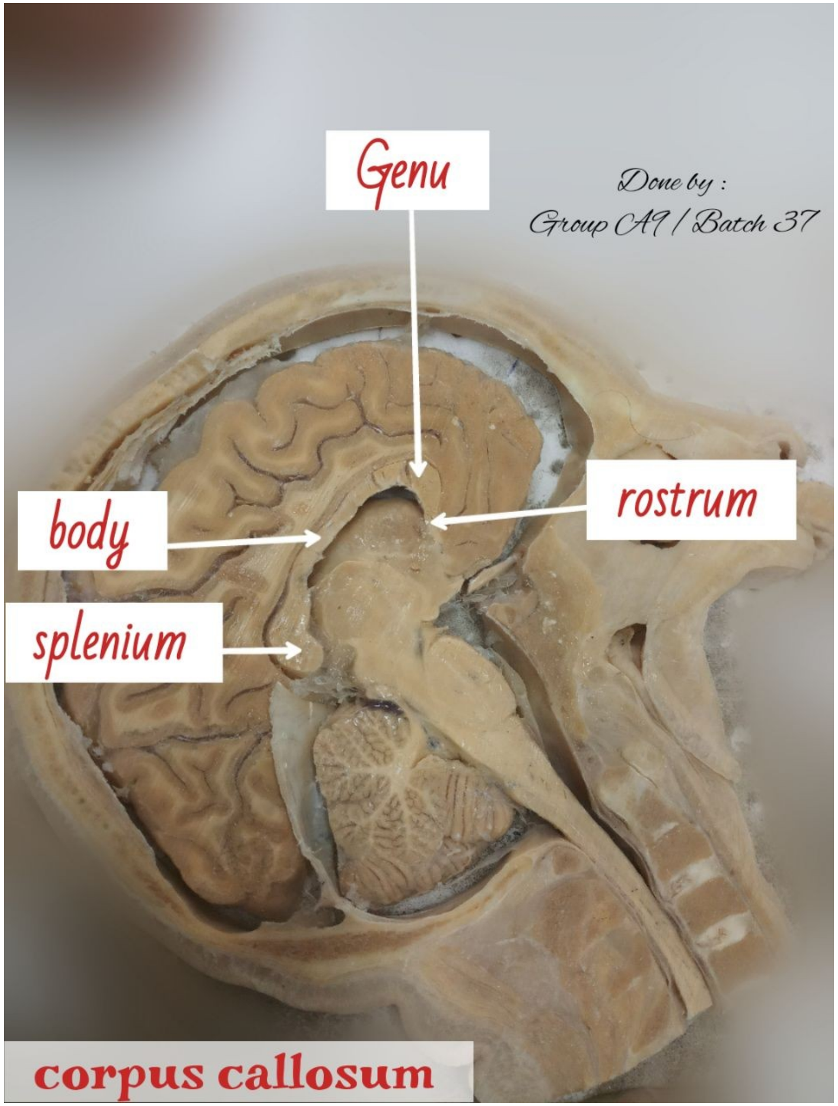

Midbrain
Pons
medulla oblogata

Done by :
Group CA9 / Batch 37


Genu
body
rostrum
splenium

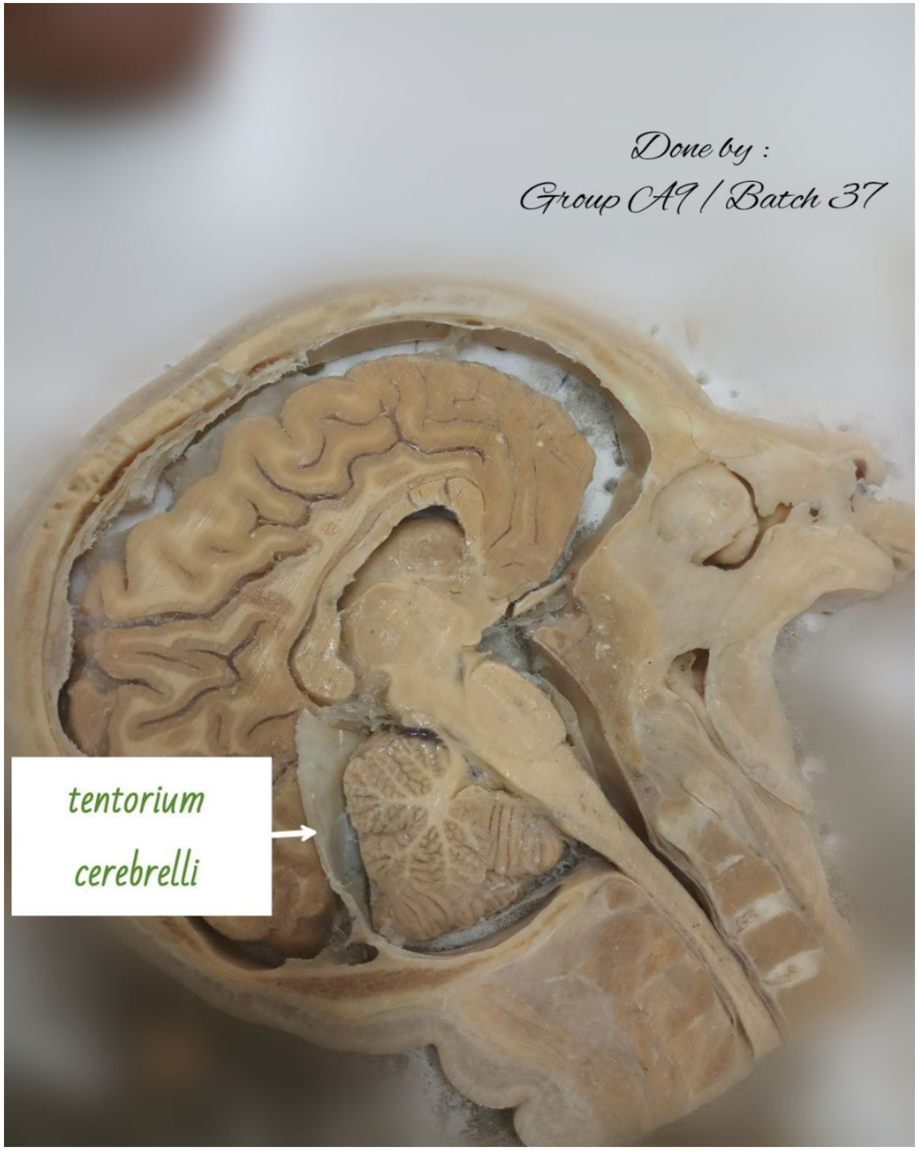
Done by :
Group A9 / Batch 37

corpus callosum


Genu
rostrum
body
splenium

Done by :
Group A9 / Batch 37

corpus callosum


tentorium
cerebrelli

Done by :
Group A9 / Batch 37

THANK YOU
FOR YOUR
ATTENTION

Adobe Stock